

A63B

APPARATUS FOR PHYSICAL TRAINING, GYMNASTICS, SWIMMING, CLIMBING, OR FENCING; BALL GAMES; TRAINING EQUIPMENT (apparatus for passive exercising, massage [A61H](#))

Definition statement

This place covers:

Gymnastic or exercising apparatus or equipment, of which examples are:

- Horizontal or parallel bars, balance beams, tightropes or similar apparatus;
- Apparatus for jumping e.g. pole-vaulting poles, spring-boards, trampolines, high-jump apparatus, skipping-ropes;
- Mats for absorbing the shock of landing, e.g. in pole-vaulting;
- Freely-suspended apparatus e.g. swinging rings, trapezes, climbing-ropes;
- Climbing poles, frames or stages, clubs, hoop exercising apparatus;
- Fitness devices, exercising apparatuses for ACTIVE exercising ([A63B 21/00-A63B 24/00](#));
- Exercising apparatus for developing or strengthening muscles or joints against a counterforce, e.g. in weight training;
- Apparatus for conditioning the cardio-vascular system, e.g. exercise bikes, treadmills;
- Apparatus for conditioning particular parts of the body, e.g. particular muscle groups;
- Electric or electronic controls for such apparatus.

Climbing or mountaineering apparatus, including apparatus for climbing trees or poles; Swimming aids or equipment, e.g. fins, flippers, goggles;

- Electric or electronic controls for such apparatus.

Balls for ball games including:

- Solid balls, e.g. golf balls, cricket balls, marbles;
- Hollow non-inflatable balls, e.g. for squash rackets or tennis;
- Hollow inflatable balls e.g. for football, rugby, American football;
- Balls with special arrangements e.g. handles or eccentric centres of gravity (e.g. in bowling balls); and
- Apparatus or methods for manufacturing balls or for handling or treating them, e.g. cleaning.

Rackets, bats or other striking implements for ball games, e.g. tennis rackets and similar, golf clubs, baseball bats, cricket bats, hockey sticks.

Accessories for golf; accessories for other ball games.

Targets or goals for ball games; tennis and similar nets and accessories therefor.

Implements for throwing, e.g. darts, javelins, spears, throwing-hammers, boomerangs, discus discs, quoits, juggling clubs.

Miscellaneous sporting games, e.g. miniature golf, juggling, curling, badminton, shuttlecock or like games, games using a hockey puck; projectiles for these games which do not fall into the above category of balls for ball games.

Training appliances for particular sports, e.g. for fencing, riding, skiing, rowing, punching-balls for boxing, golf swing trainers, artificial mountain slopes.

Other games or sports accessories, e.g. indicating or scoring devices, body protectors.

Relationships with other classification places

- Some sporting subject matter is to be found in other subclasses of class [A63](#).
- Skates, skis and their bindings, roller skates, skate-boards and the design or layout of playing-courts, rinks, bowling-greens or water-skiing areas or the like are classified in [A63C](#).
- Bowling-alleys, bowling-games and equipment for bowls (but not the balls which are in [A63B](#)) and billiards or snooker are classified in [A63D](#).
- Merry-go-rounds, swings, rocking-horses, toy animals for riding, chutes, switchbacks, water roundabouts, helter-skelters or the like are classified in [A63G](#).
- Toys are in [A63H](#).
- Racing, riding sports and equipment and accessories therefore, including race-courses and race-tracks, are in [A63K](#).

In relation to apparatus or methods for manufacturing balls, it should be borne in mind that working of plastics or substances in a plastic state is classified in class [B29](#) and the chemical or compositional aspects of balls is in Section [C](#), e.g. compositions for making golf balls are usually in subclass [C08L](#).

- Sporting subject matter can be found in other subclasses within CPC
- Methods to process and manage data is found under subclass [G06Q](#).
- ICT specially adapted for therapies or health-improving plans relating to physical therapies or activities, e.g. physiotherapy, acupuncture or exercising [G16H 20/30](#)
- Teaching a sequence of movements in sports is found in [G09B 19/0038](#).

References

Limiting references

This place does not cover:

Apparatus for passive exercising or massage	A61H
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Application-oriented references

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Non-skid devices or attachments for footwear, e.g. crampons	A43C 15/00
Breathing masks or helmets for use at high altitudes	A62B 18/00
Safety belts for climbers	A62B 35/00
Picks	B25D 7/00
Ladders attached to fixed structures	E06C 9/04

Informative references

Attention is drawn to the following places, which may be of interest for search:

Protective equipment in the form of clothing or garments for sporting purposes	A41D 13/00
Uses of garments specially adapted for sport activities	A41D 2600/10
Soft caps; hoods with protection against blows	A42B 1/08
Helmets	A42B 3/00
Measuring muscular strength for diagnostic purposes	A61B 5/22
Video games	A63F 13/00
Manufacturing sport articles	B21K 17/00

Connecting valves to inflatable elastic bodies	B60C 29/00
Unicycles	B62K 1/00
Bicycles	B62K 3/00
Vessels or like floating structures for pleasure or sport	B63B 34/00
Life-saving in water	B63C 9/00
Breathing aids for swimming, e.g. snorkels	B63C 11/12
Training of parachutists	B64D 23/00
Devices for producing mechanical power from muscle energy	F03G 5/00
Weapons for projecting missiles	F41B
Sling weapons	F41B 3/00
Archers' finger tabs	F41B 5/1473
Traps for clay-pigeon targets	F41J 9/18
Stop watches	G04F
Controlling member being movable by hand, e.g. joystick	G05G 9/047
PDA - Personal Assistance Device	G06F 1/1626
Time or attendance registers	G07C
Signal device with lights	G08B 5/36
Simulators for training	G09B 9/00
Devices for exercising or strengthening of fingers or arms in teaching music	G09B 15/06
Teaching repetitive work cycles; sequence of movements	G09B 19/003
Displaying; advertising; signs; labels or name-plates; seals	G09F
ICT specially adapted for therapies or health-improving plans relating to physical therapies or activities, e.g. physiotherapy, acupressure or exercising	G16H 20/30

Special rules of classification

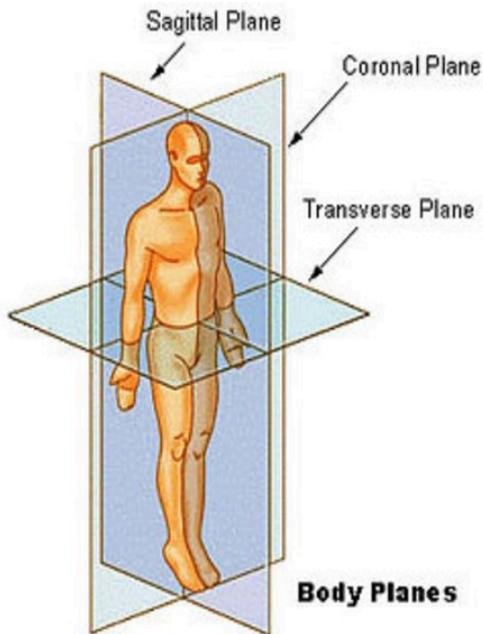
In [A63B](#), indexing codes are required whenever the additional information is relevant; also, when only an indexing code applies.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Support element	an apparatus element for supporting a body part during exercising, e.g. a handle for the hand, a seat for the buttocks;
Handle	a support element for a single hand or arm (upper limb);
Pedal	a support element for a single foot or leg (lower limb);
Steps	support elements for lower limbs;
Band	a continuous support element for upper or lower limbs, used at undetermined, variable places during exercising;
Platform	a support element of an exercising apparatus, used for any body part, e.g. for both feet

Body planes



Synonyms and Keywords

In patent documents, the following words/expressions are often used as synonyms:

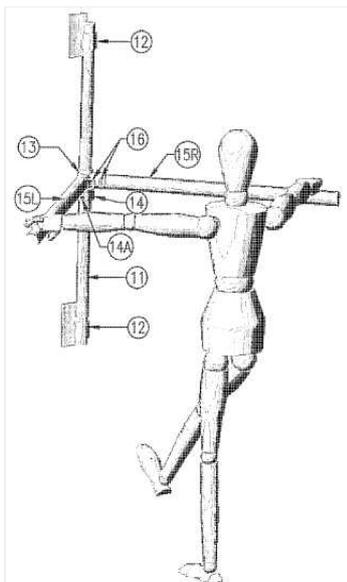
- "the body-symmetrical plane" and "midsagittal plane or median plane"

A63B 1/00

Horizontal bars

Definition statement

This place covers:



References

Informative references

Attention is drawn to the following places, which may be of interest for search:

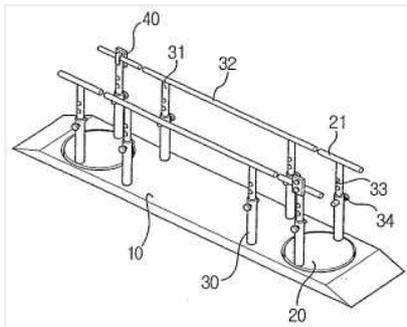
Bars for chinning, pull-ups	A63B 23/1218
Athletics hurdles	A63K 3/043

A63B 3/00

Parallel bars or similar apparatus

Definition statement

This place covers:



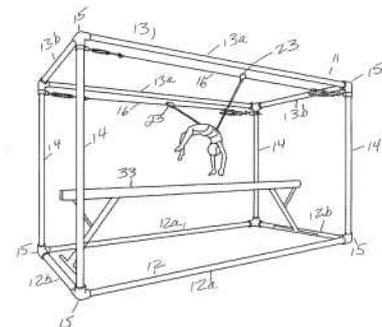
WO2007001122

A63B 4/00

Balance beams

Definition statement

This place covers:



US2006270523

References

Limiting references

This place does not cover:

Rope dancing	A63B 7/08
Other apparatus for improving balance	A63B 26/003

References

Limiting references

This place does not cover:

Mats for jumping	A63B 6/00
Bungee jumping	A63G 31/00
Planes mounted on springs for playing	A63G 31/14
Devices for racing or riding sports, e.g. hurdles	A63K

Informative references

Attention is drawn to the following places, which may be of interest for search:

Elastic means are coded under	A63B 21/02
General features for injury prevention in sport apparatuses	A63B 71/0054
Backstops, cages, enclosures or the like	A63B 71/022
Space saving arrangements, e.g. foldable or collapsible	A63B 2210/00
Apparatus for multiple users	A63B 2225/10
Floating apparatus	A63B 2225/605
Inflatable	A63B 2225/62
Mats or carpets for courts	A63C 19/04
Connections of rods or tubes	F16B 7/00

A63B 5/11

Trampolines

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Resilient force-resisters	A63B 21/02
Games similar to volleyball or basketball and played on trampolines or the like, e.g. "Spaceball" or "Aeroball"	A63B 2067/005
Protective housings covering the working parts of the apparatus	A63B 2071/009
Jumping devices used for lowering persons from buildings or the like	A62B 1/22

Special rules of classification

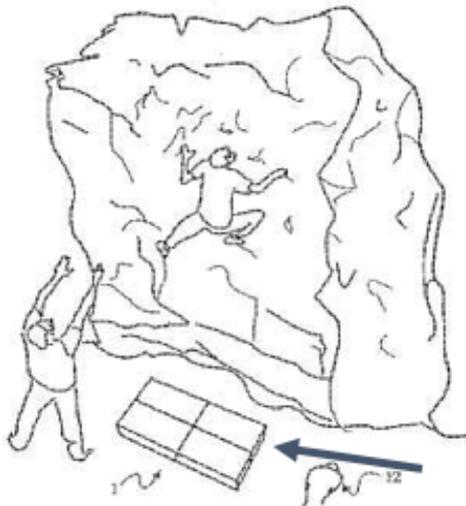
Elastic means, e.g. springs connecting the mat with the frame of a trampoline are classified both in [A63B 5/11](#) and [A63B 21/02](#) and subgroups.

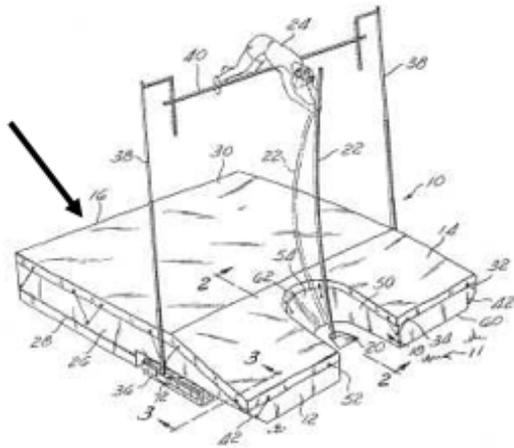
A63B 5/22**Foot obstacles for skipping {, e.g. horizontally-rotating obstacles}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Walk exercisers without moving parts	A63B 23/0464
Hurdling	A63B 2244/088
Slalom gate poles, posts or marking sticks for sport fields	A63C 19/062
Athletics hurdles	A63K 3/043
Road signs or traffic signals in the form of a three-dimensional body, e.g. cones	E01F 9/654

A63B 6/00**Mats or the like for absorbing shocks for jumping, gymnastics or the like****Definition statement***This place covers:*

Mats as illustrated.





References

Informative references

Attention is drawn to the following places, which may be of interest for search:

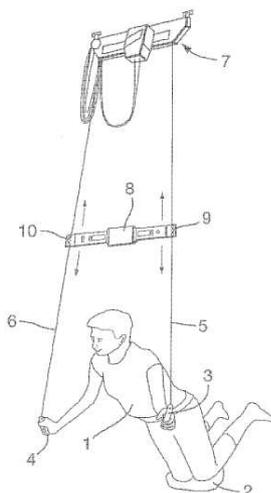
Small and/or yoga mats	A63B 21/4037
Mats for jogging on the spot	A63B 69/0035
Mats for golf practice	A63B 69/3661
Stuffed or fluid mattresses specially adapted for chairs, beds or sofas	A47C 27/00
Pavings for sport grounds	E01C 13/00
Resiliently mounted floors	E04F 15/22

A63B 7/00

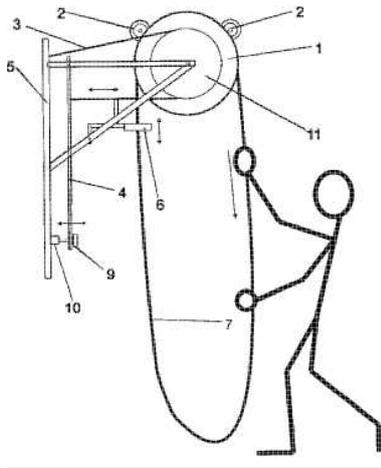
Freely-suspended gymnastic apparatus

Definition statement

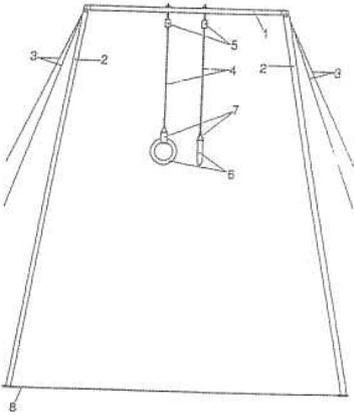
This place covers:



WO2008085058



DE102009012127



WO9108800

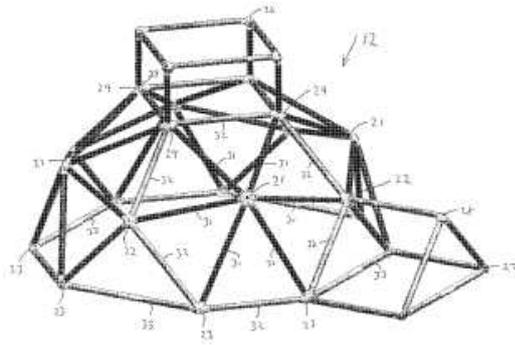
A63B 9/00

Climbing poles, frames, or stages {(climbing walls for mountaineering training [A63B 69/0048](#); endless loop ladders [A63B 22/04](#))}

Definition statement

This place covers:

- Poles on a flexible support;
- Rope networks;
- Grids.



WO2006079182

References

Limiting references

This place does not cover:

Endless loop ladders	A63B 22/04
Climbing walls for mountaineering training	A63B 69/0048
Playgrounds	A63G 31/00
Playhouses, play-tents, big enough for playing inside	A63H 33/008

Informative references

Attention is drawn to the following places, which may be of interest for search:

Flat climbing nets	A63B 2009/002
Three-dimensional rope or cable networks	A63B 2009/004
With water spraying means	A63B 2009/008
Games or sport accessories for large room or outdoor sporting games	A63B 71/02
used in water	A63B 2225/60
inflatable	A63B 2225/62
Planes mounted on springs	A63G 31/14
Means for fastening cables	F16G 11/00

A63B 2009/006

{Playground structures}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

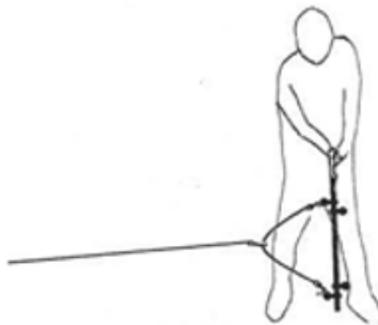
Amusement arrangements	A63G 31/00
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A63B 2009/008**{with water spraying means}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

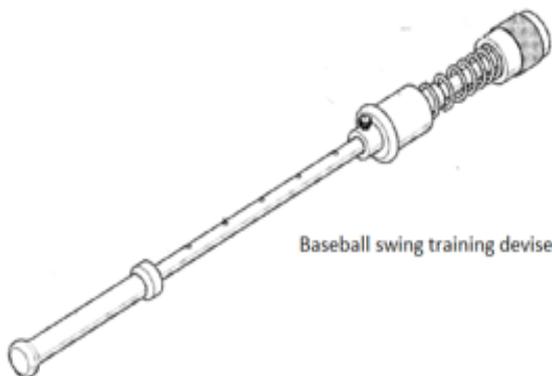
Amusement arrangements involving water	A63G 31/007
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A63B 15/00**Clubs for gymnastics or the like {, e.g. for swinging exercises}****Definition statement***This place covers:*

Items as shown in illustrations.



Golf training device for hitting zone. Exercises are repetitive.



Baseball swing training device

References**Informative references***Attention is drawn to the following places, which may be of interest for search:*

Resistances to the movement of the club	A63B 21/00
Special means for attachment of arms or hands to exercising or sports equipment	A63B 21/4017

Substantially flexible shafts, hinged shafts	A63B 60/0081
Telescopic shaft	A63B 60/0085
Juggling games using sticks or discs	A63B 67/086
Normal golf clubs with directly attached weights for training	A63B 69/3638

A63B 15/005

{with a weight movable along the longitudinal axis of the club due to centrifugal forces}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Movable ballast means for adjusting the centre of mass of golf clubs, bats, rackets or the like	A63B 60/04
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A63B 15/02

with illuminating devices

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

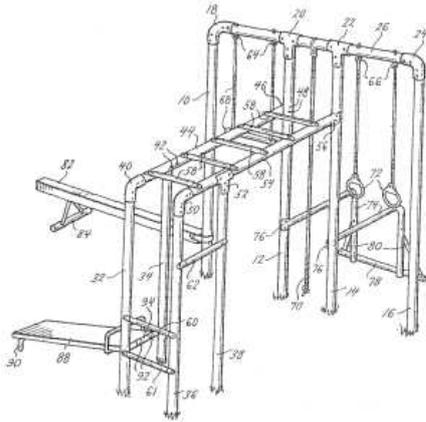
Powered illuminating means	A63B 2225/74
Exercising or sporting devices provided with means enabling use in the dark	A63B 2225/76

A63B 17/00

Exercising apparatus combining several parts such as ladders, rods, beams, slides

Definition statement

This place covers:



US4278250

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Space saving	A63B 2210/00
Used in water	A63B 2225/60

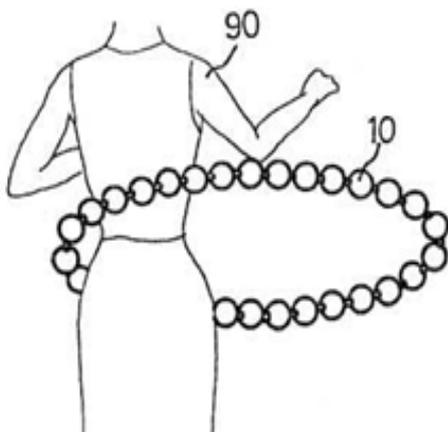
A63B 19/00

Hoop exercising apparatus {([A63B 21/0608](#) takes precedence)}

Definition statement

This place covers:

Non-eccentric hoop exercisers (e.g. Hula hoops). The following image show a hoop 10 positioned to engage with a portion of the waist of person 90.



References

Limiting references

This place does not cover:

Eccentric weights put into orbital motion by nutating movement of the user	A63B 21/0608
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Space saving	A63B 2210/00
Used in water	A63B 2225/60
Inflatable	A63B 2225/62
Spinning hoops, whirling amusement devices, orbiting toys	A63F 7/382
Rolling drums, turning somersaults with or without rolling seats	A63G 29/00
Hoop movement apparatuses not driven by the user, e.g. motor driven	A63G 31/00
Toy hoops, i.e. rings to be rolled by separate sticks	A63H 33/02

A63B 19/02

Freely-movable rolling hoops, e.g. gyrowheels {or spheres or cylinders, carrying the user inside (resisting devices overcoming gyroscopic forces of rotating bodies [A63B 21/22](#); standing on it for equilibrium exercises [A63B 26/003](#))}

References

Limiting references

This place does not cover:

Resisting devices overcoming gyroscopic forces of rotating bodies	A63B 21/22
Standing on it for equilibrium exercises	A63B 26/003

Informative references

Attention is drawn to the following places, which may be of interest for search:

Spherical hulls or hulls in the shape of a vertical ring for use in water	B63B 1/047
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A63B 21/00

Exercising apparatus for developing or strengthening the muscles or joints of the body by working against a counterforce, with or without measuring devices (electric or electronic controls therefor [A63B 24/00](#))

Definition statement

This place covers:

This main group covers the construction features of the apparatuses for ACTIVE exercising

References

Limiting references

This place does not cover:

Electric or electronic control	A63B 24/00
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Application-oriented references

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

These further different aspects should be considered while classifying the apparatuses for active physical exercising (see also the flowchart annexed after [A63B 24/00](#) and the Classification examples for [A63B 22/00](#)):

Use for cardio-vascular, agility or coordination	A63B 22/00
Use of the apparatus for strength training	A63B 23/00

Informative references

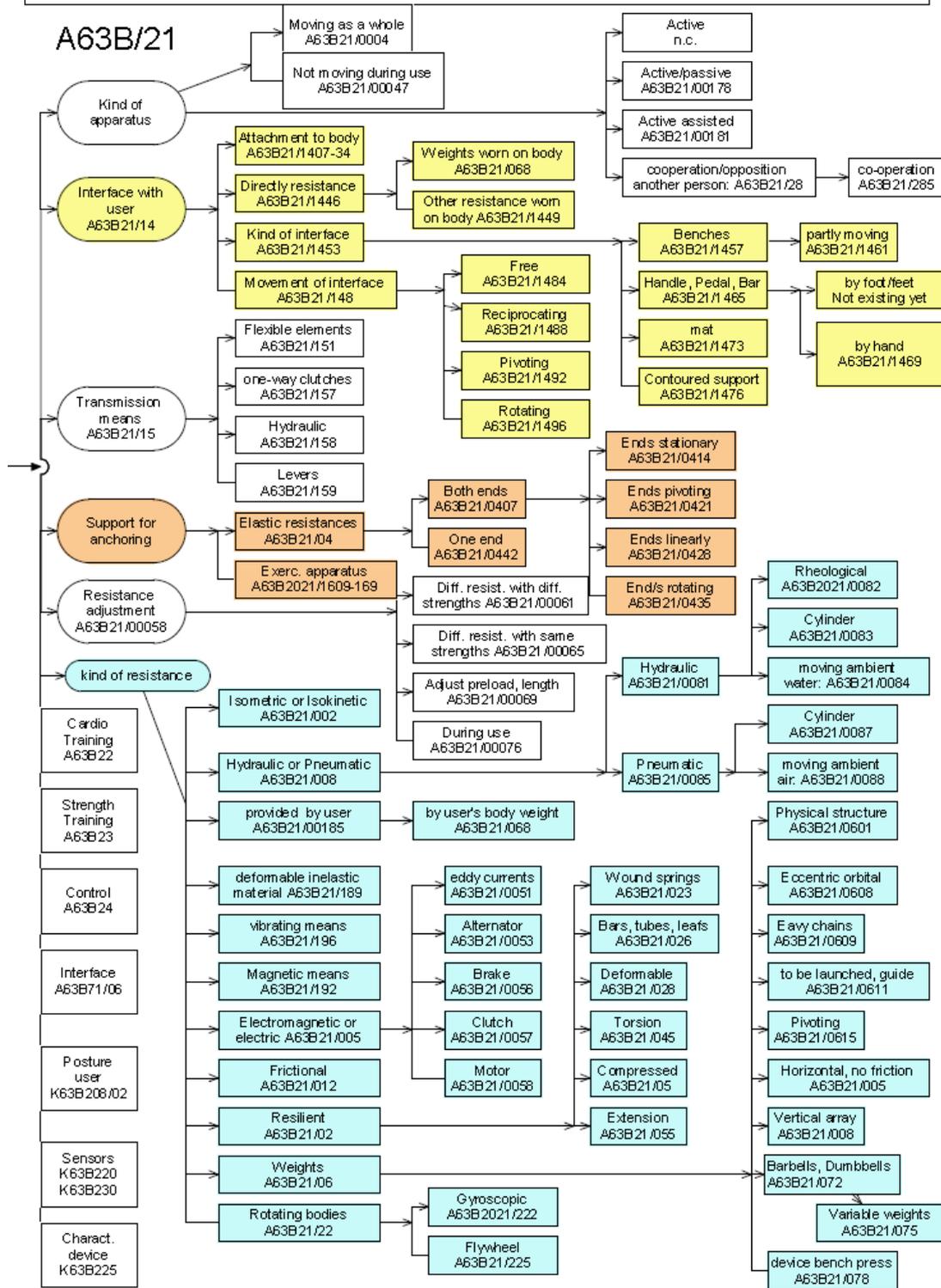
Attention is drawn to the following places, which may be of interest for search:

Means for physically limiting movements of body parts	A63B 69/0057
Position of the user during training	A63B 2208/00
Space saving, e.g. collapsible	A63B 2210/00
Sensors	A63B 2220/00
Multi station exercising machines	A63B 2225/105
Measuring muscular strength	A61B 5/22

Special rules of classification

- Force transmission means: [A63B 21/15](#) , [A63B 21/15](#);
- kind of resistance of fitness devices: [A63B 21/00189](#) , [A63B 21/00192](#) , [A63B 21/00196](#) , [A63B 21/005](#) - [A63B 21/078](#), [A63B 21/22](#);
- Interface with the user: [A63B 21/40](#) , [A63B 21/4025](#) , [A63B 21/28](#), [A63B 21/00043](#) ;
- Supports for anchoring force resistors: [A63B 21/04](#), [A63B 21/16](#).

This chart contains ca. half of the classes in A63B21, it is meant to help a classifier to find the main classes. For the complete classification please refer to Scheme and definitions.
 n.c.=not classified



The preceding image includes references to [A63B 21/0004](#), [A63B 21/0007](#), [A63B 21/00178](#), [A63B 21/00181](#), [A63B 21/28](#), [A63B 21/285](#), [A63B21/14](#), [A63B21/1407-34](#), [A63B21/1446](#), [A63B 21/068](#), [A63B21/1449](#), [A63B21/1453](#), [A63B21/1457](#), [A63B21/1461](#), [A63B21/1465](#), [A63B21/1469](#), [A63B21/1473](#), [A63B21/1476](#), [A63B21/148](#), [A63B21/484](#), [A63B21/488](#), [A63B21/492](#), [A63B21/496](#), [A63B 21/15](#), [A63B 21/151](#), [A63B 21/157](#), [A63B 21/158](#), [A63B 21/159](#), [A63B 21/04](#), [A63B 21/0407](#), [A63B 21/0442](#), [A63B 21/0414](#), [A63B 21/0421](#), [A63B 21/0428](#), [A63B 21/0435](#), [A63B2021/1609-169](#), [A63B 21/0407](#), [A63B 21/0414](#), [A63B 21/0421](#), [A63B 21/0428](#),

[A63B 21/0435](#), [A63B 21/0442](#), [A63B 21/0058](#), [A63B 21/00061](#), [A63B 21/00065](#), [A63B 21/00069](#),
[A63B 21/00076](#), [A63B 22/00](#), [A63B 23/00](#), [A63B 24/00](#), [A63B 71/06](#), **[K63B208/02](#)**, **[K63B220](#)**,
[K63B230](#), **[K63B225](#)**, [A63B 21/002](#), [A63B 21/008](#), [A63B 21/00185](#), [A63B 21/068](#), **[A63B21/189](#)**,
[A63B21/196](#), **[A63B21/192](#)**, [A63B 21/005](#), [A63B 21/012](#), [A63B 21/02](#), [A63B 21/06](#), [A63B 21/22](#),
[A63B2021/222](#), [A63B 21/225](#), [A63B 21/0051](#), [A63B 21/0053](#), [A63B 21/0056](#), [A63B 21/0057](#),
[A63B 21/0058](#), [A63B 21/023](#), [A63B 21/026](#), [A63B 21/028](#), [A63B 21/045](#), [A63B 21/05](#), [A63B 21/055](#),
[A63B2021/0082](#), [A63B 21/0083](#), [A63B 21/0084](#), [A63B 21/0087](#), [A63B 21/0088](#), [A63B 21/0601](#),
[A63B 21/0608](#), [A63B 21/0609](#), **[A63B21/0611](#)**, [A63B 21/0615](#), [A63B 21/008](#), [A63B 21/072](#),
[A63B 21/075](#), [A63B 21/078](#)

A63B 21/0004

{Exercising devices moving as a whole during exercise (bar bells or dumb bells [A63B 21/072](#); on wheels [A63B 22/20](#))}

References

Limiting references

This place does not cover:

Weights moving upon horizontal plane	A63B 21/0618
Weight worn on user's body	A63B 21/065
Free weights, Dumbbells and Barbells	A63B 21/072
Resisting device worn on user's body	A63B 21/4025
Moving as a whole on wheel	A63B 22/20

A63B 21/00043

{Exercising devices consisting of a pair of user interfaces connected by flexible elements, e.g. two handles connected by elastic bands (skipping ropes [A63B 5/20](#); resilient elements [A63B 21/02](#))}

References

Limiting references

This place does not cover:

Skipping ropes	A63B 5/20
Using resilient force-resistors	A63B 21/02

Informative references

Attention is drawn to the following places, which may be of interest for search:

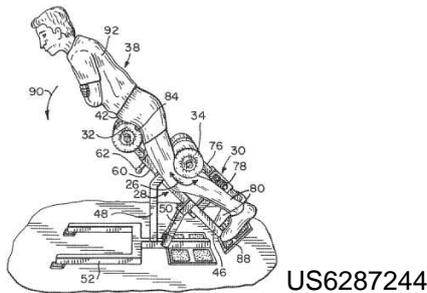
Buckles with strap length adjustment	A44B 11/2557
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A63B 21/00047

{Exercising devices not moving during use (benches [A63B 21/4029](#); isometric exercising devices [A63B 21/0023](#); step exercisers [A63B 23/0458](#); walk exercisers [A63B 23/0464](#))}

Definition statement

This place covers:

**References****Limiting references**

This place does not cover:

Exercising device moving as a whole during use	A63B 21/0004
Isometric exercising devices	A63B 21/0023
Benches	A63B 21/4029
Step exercisers without moving parts	A63B 23/0458
Walk exercisers without moving parts	A63B 23/0464
Support for the head or the back	A47C 7/36

A63B 21/00058

{Mechanical means for varying the resistance ([A63B 21/06](#) takes precedence)}

References**Limiting references**

This place does not cover:

Variation of the resistance for weight resistance	A63B 21/06
Electronic variation of resistance	A63B 24/00

A63B 21/00178

{for active exercising, the apparatus being also usable for passive exercising}

References**Limiting references**

This place does not cover:

Apparatus for passive exercising	A61H 1/00
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A63B 21/00181

{comprising additional means assisting the user to overcome part of the resisting force, i.e. assisted-active exercising}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Isokinetic exercising	A63B 21/002
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A63B 21/00185

{using resistance provided by the user, e.g. exercising one body part against a resistance provided by another body part ([A63B 21/068](#) takes precedence; isometric exercise [A63B 21/0023](#))}

References**Limiting references**

This place does not cover:

Using user's body weight	A63B 21/068
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Isometric exercising	A63B 21/0023
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A63B 21/00189

{using resistance provided by plastic deformable materials, e.g. lead bars or kneadable masses (resilient force-resistors made of material having high internal friction [A63B 21/028](#))}

References**Limiting references**

This place does not cover:

Elastic materials with internal friction	A63B 21/028
--	-----------------------------

Informative references

Attention is drawn to the following places, which may be of interest for search:

Resilient force-resistors made of material having high internal friction	A63B 21/028
--	-----------------------------

A63B 21/00192

{using resistance provided by magnetic means ([A63B 21/005](#) takes precedence)}

References**Limiting references**

This place does not cover:

Electromagnetic means	A63B 21/005
-----------------------	-----------------------------

A63B 21/00196

{using pulsed counterforce, e.g. vibrating resistance means ([A61H 1/005](#) takes precedence)}

References**Limiting references**

This place does not cover:

Passive vibrating platform	A61H 1/005
----------------------------	----------------------------

A63B 21/002

isometric or isokinetic, i.e. substantial force variation without substantial muscle motion {or wherein the speed of the motion is independent of the force applied by the user}

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Isometric exercise	a type of strength training in which the joint angle and muscle length do not change during contraction;
Isokinetic exercise	dynamic muscle activity performed at a constant angular velocity; torque and tension remain constant while muscles shorten or lengthen;
Isotonic exercise	active exercise without appreciable change in the force of muscular contraction, with shortening of the muscle.

A63B 21/005

using electromagnetic or electric force-resisters

References**Limiting references**

This place does not cover:

Details of magnetic circuit	H02K 1/24
-----------------------------	---------------------------

A63B 21/0051

{using eddy currents induced in moved elements, e.g. by permanent magnets}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Eddy-current type dynamo-electric brakes	H02K 49/04
--	----------------------------

A63B 21/0053

{using alternators or dynamos}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Producing mechanical power from muscles	F03G 5/00
Distribution network	H02J 3/008

A63B 21/008

using hydraulic or pneumatic force-resisters

References**Limiting references**

This place does not cover:

Hydraulic transmissions	A63B 21/158
-------------------------	-----------------------------

A63B 21/0083

{of the piston-cylinder type (using pneumatic piston-cylinder type force resistors [A63B 21/0087](#))}

References**Limiting references**

This place does not cover:

using pneumatic piston-cylinder type force resistors	A63B 21/0087
--	------------------------------

Informative references

Attention is drawn to the following places, which may be of interest for search:

Shock absorbers in general	F16F 9/00
----------------------------	---------------------------

A63B 21/0087

{of the piston-cylinder type (using hydraulic piston-cylinder type force resistors [A63B 21/0083](#))}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

using hydraulic piston-cylinder type force resistors	A63B 21/0083
--	------------------------------

A63B 21/012

using frictional force-resisters {(electromagnetically-controlled brakes [A63B 21/0056](#))}

References**Limiting references**

This place does not cover:

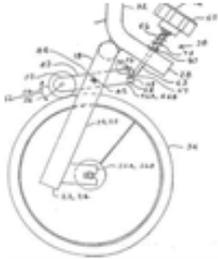
Electromagnetic controlled friction brakes	A63B 21/0056
--	------------------------------

A63B 21/0125

{with surfaces rolling against each other without substantial slip}

Definition statement

This place covers:



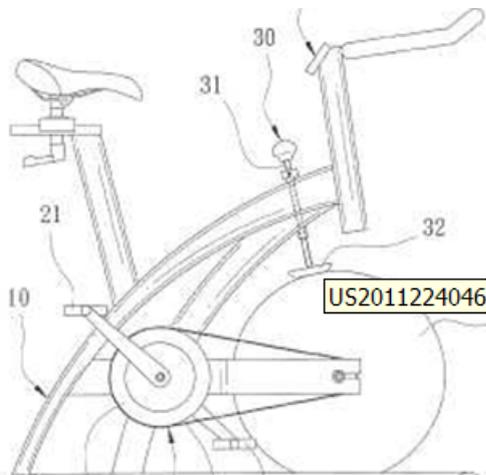
US2004248700

A63B 21/015

including rotating or oscillating elements {rubbing against fixed elements}

Definition statement

This place covers:



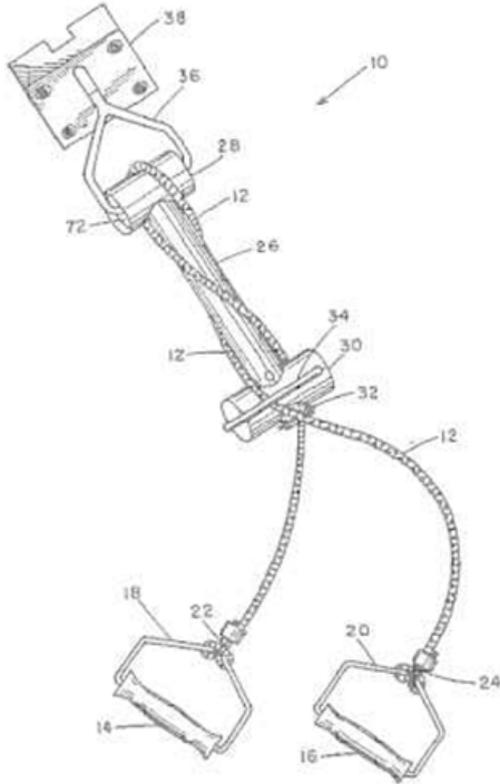
US2011224046

A63B 21/018

including a rope {or other flexible element} moving relative to the surface of elements

Definition statement

This place covers:



US4560160

A63B 21/02

using resilient force-resisters

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Support for anchoring non-resilient force resistors	A63B 21/16
---	----------------------------

A63B 21/028

{made of material having high internal friction, e.g. rubber, steel wool, intended to be compressed (resistance provided by plastic deformable materials [A63B 21/00189](#))}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

resistance provided by plastic deformable materials	A63B 21/00189
---	-------------------------------

A63B 21/06

User-manipulated weights

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Benches for exercising	A63B 21/4029
------------------------	------------------------------

A63B 21/0608

{Eccentric weights put into orbital motion by nutating movement of the user}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Symmetric devices, e.g. hula hoops, put into orbital motion	A63B 19/00
---	----------------------------

A63B 21/15

{Arrangements for force transmissions}

Definition statement

This place covers:

Transmission means between the resistance means and the interface with the user.

A63B 21/16

Supports for anchoring force-resisters

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Freely suspended gymnastic apparatus	A63B 7/00
--------------------------------------	---------------------------

Supports for resilient resistors	A63B 21/04
Fastening household utensils to tables, walls or the like	A47G 29/087

A63B 21/1609

{for anchoring on a chair (chairs with exercising means [A47C 9/002](#))}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Chairs with exercising means	A47C 9/002
------------------------------	----------------------------

A63B 21/22

Resisting devices with rotary bodies {([A63B 21/0608](#) takes precedence)}

References

Limiting references

This place does not cover:

Eccentric weights put into orbital motion by the user	A63B 21/0608
---	------------------------------

A63B 21/28

Devices for two persons operating in opposition {or in cooperation}

Definition statement

This place covers:

Also two persons operating in co-operation

References

Limiting references

This place does not cover:

Resistance force provided by the user himself	A63B 21/00185
---	-------------------------------

A63B 21/4001

{Arrangements for attaching the exercising apparatus to the user's body, e.g. belts, shoes or gloves specially adapted therefor (weights worn on the user's body [A63B 21/065](#); exoskeletons in general [B25J 9/0006](#), for aiding patients or disabled persons to walk about [A61H 3/00](#))}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Exoskeletons in general	B25J 9/0006
-------------------------	-----------------------------

A63B 21/4037

{Exercise mats for personal use, with or without hand-grips or foot-grips, e.g. for Yoga or supine floor exercises (mats for absorbing shocks [A63B 6/00](#))}

References

Limiting references

This place does not cover:

Mats for absorbing shocks	A63B 6/00
---------------------------	---------------------------

A63B 22/00

Exercising apparatus specially adapted for conditioning the cardio-vascular system, for training agility or co-ordination of movements (force-resisting aspects [A63B 21/00](#); {for particular parts of the body, e.g. to strengthen particular limbs or muscles [A63B 23/00](#); } electric or electronic controls therefor [A63B 24/00](#))

References

Limiting references

This place does not cover:

Use of the apparatus for strength training	A63B 23/00
Passive stretching or bending	A61H 1/02

Special rules of classification

The use of exercising apparatuses for ACTIVE physical training for cardio vascular, agility or coordination.

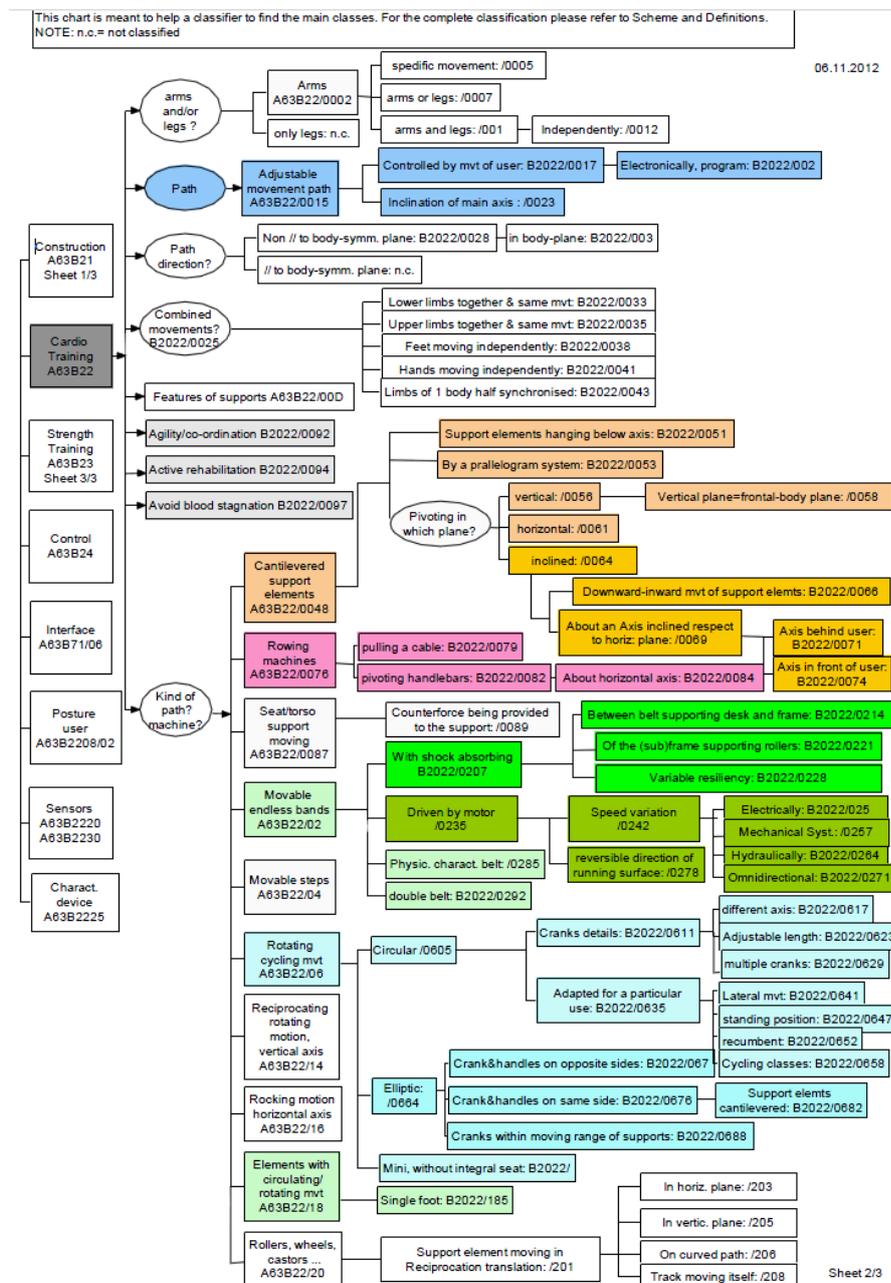
Within [A63B 22/00](#) the main different aspects to be classified are:

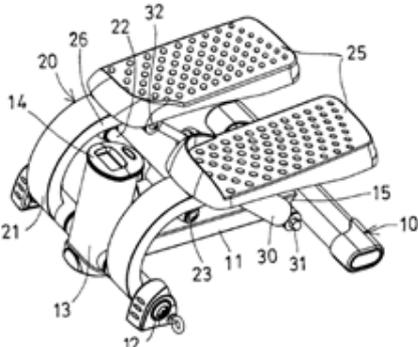
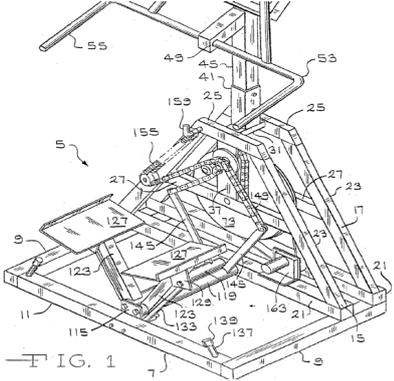
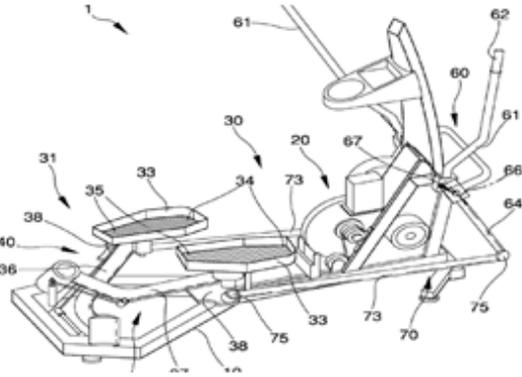
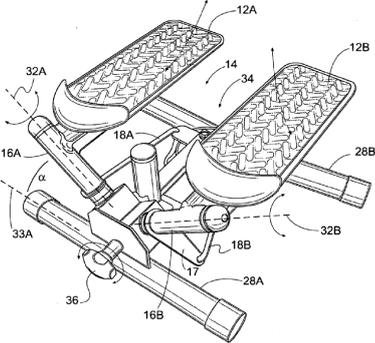
which limbs ([A63B 22/0002](#));movement-path direction ([A63B 2022/0028](#));

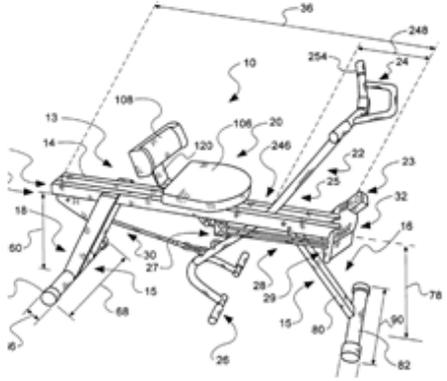
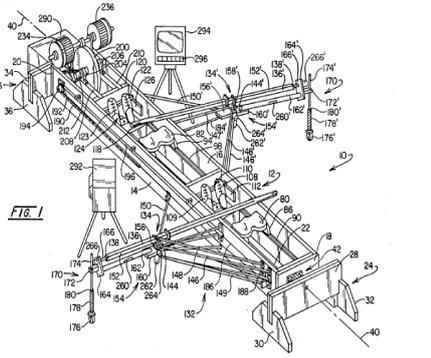
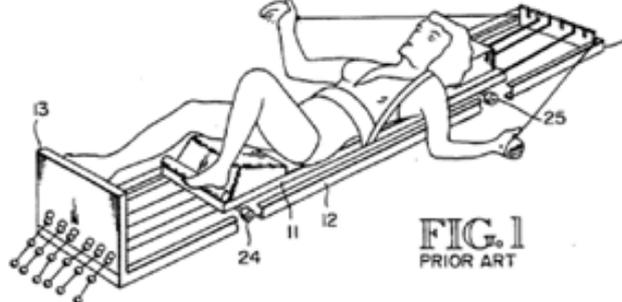
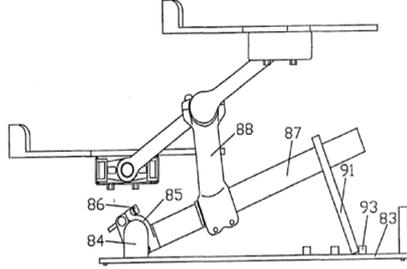
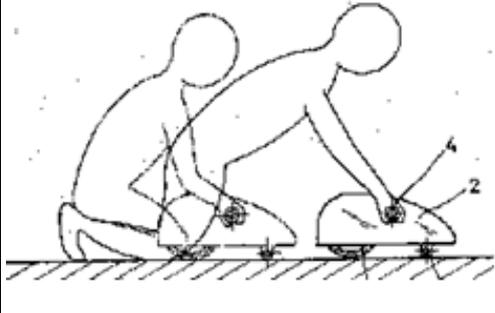
combination of movements ([A63B 2022/0033](#)-[A63B 2022/0043](#));Adjustability of path ([A63B 22/0015](#)); kind of path ([A63B 22/0048](#)-[A63B 22/20](#)).

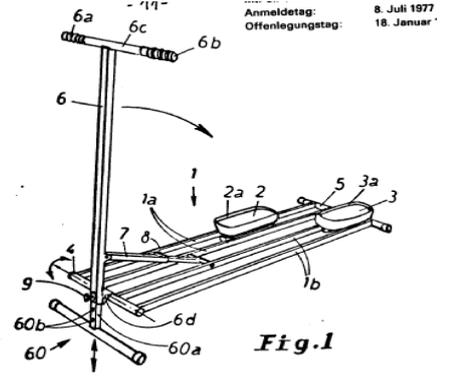
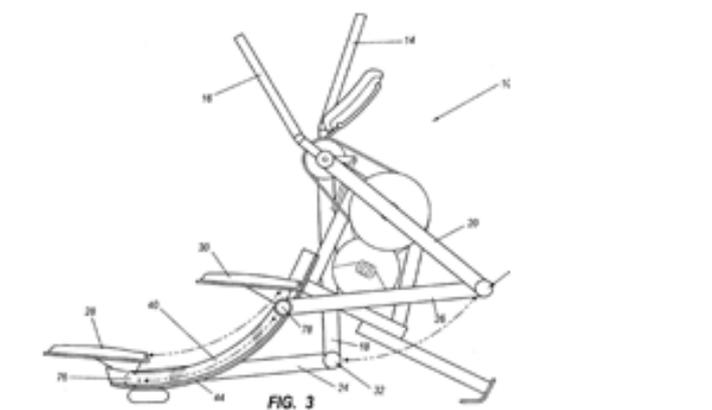
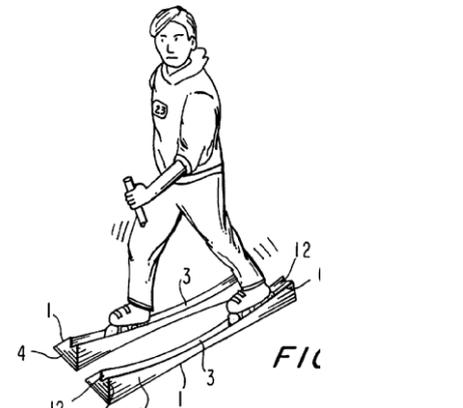
These further different aspects should be considered while classifying the apparatuses for active physical exercising (see also the flowchart annexed after [A63B 24/00](#) and the Classification examples for [A63B 22/00](#)):

Construction features of an exercise apparatus	A63B 21/00
Electric or electronic control	A63B 24/00
Means for physically limiting movements of body parts	A63B 69/0057
Sensors	A63B 2220/00
Position of the user during training	A63B 2208/00



		<p>A63B 22/0056 : stepper in vertical plane If not in anti-phase; A63B 2022/0033 : simultaneously ; A63B 2022/0038 : independently</p>
<p>A63B 22/0058 : stepper, vertical plane is body-plane ; A63B 2022/0053 : parallelogram If one-way clutches ; A63B 21/157 : ratchet-wheel links ; A63B 2022/0038: foot moving independently</p>		
		<p>A63B 22/001 : arms and legs simultaneously ; A63B 22/0069 : pivoting around inclined axis ; A63B 2022/0071 : axis behind ; A63B 69/0022 : for skating ; A63B 69/182: cross-count</p>
<p>A63B 22/0069 : pivoting around inclined axis ; A63B 2022/0074 : axes in front not ; A63B 22/0066 because movement downward-outward</p>		

	<p>A63B 22/0076 : Rowing ; A63B 2022/0084 : handlebar with horizontal axis ; A63B 22/0089: a counterforce being provided to the seat</p>
<p>A63B 69/06 : for rowing ; A63B 2022/0082 : pivoting handlebars ; A63B 21/285 : 2 in cooperation ; A63B 2225/107: multi-station, same kind of resistance</p>	
	<p>A63B 22/0089 : resistance provided to seat ; A63B 22/001: for arms and legs</p>
<p>A63B 22/0694 : cycling movement, without integral seat, to be placed in front of a chair ; A63B 22/0605 : circular ; A63B 22/0023: inclination adjustable</p>	
	<p>A63B 22/20 : using rollers over the floor ; A63B 21/0004 : moving as a whole</p>

<p>A63B 22/203 : translating horizontally ; A63B 2022/0038 : foot supports moving independently ; A63B 22/0023: adjusting inclination</p>	
	<p>A63B 22/001 : Arms and legs simultaneously ; A63B 22/205 : translating substantially vertically ; A63B 2022/206: on a curved path</p>
<p>A63B 22/0012 : Arms and legs simultaneously, independently ; A63B 22/203 : translating horizontally ; A63B 2022/206 : on a curved path ; A63B 2022/0038 : feet moving independently ; A63B 2022/0035: hands moving independently</p>	

A63B 22/0002

{involving an exercising of arms (for strengthening the upper limbs [A63B 23/12](#))}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Exercising the strength of the upper limbs	A63B 23/12
--	----------------------------

Special rules of classification

Exercising of legs is not classified per se, only in combination with arms.

A63B 22/001

{by simultaneously exercising arms and legs, e.g. diagonally in anti-phase
([A63B 22/0076](#) takes precedence)}

References**Limiting references**

This place does not cover:

Rowing machines	A63B 22/0076
-----------------	------------------------------

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Diagonally	left arm with right leg
Anti-phase	when the right leg moves forward, the left legs moves rearward

A63B 22/0015

{with an adjustable movement path of the support elements}

References**Limiting references**

This place does not cover:

Adjusting the resistance	A63B 21/00058
--------------------------	-------------------------------

A63B 22/0025

{Particular aspects relating to the orientation of movement paths of the limbs
relative to the body; Relative relationship between the movements of the limbs}

References**Limiting references**

This place does not cover:

for strength training	A63B 23/03516
-----------------------	-------------------------------

A63B 22/0046

{Details of the support elements or their connection to the exercising apparatus, e.g. adjustment of size or orientation (attachments of resisters or weights to the body of the user [A63B 21/4001](#); using rollers, wheels, castors or gliding means to be moved over the floor or guide tracks [A63B 22/20](#))}

References

Limiting references

This place does not cover:

Attachment of resisters or weights to the user	A63B 21/4001
Using rollers, wheels, castors or gliding means to be moved over the floor or guide tracks	A63B 22/20

A63B 22/0048

{with cantilevered support elements pivoting about an axis ([A63B 22/0076](#) takes precedence)}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Rowing machines	A63B 22/0076
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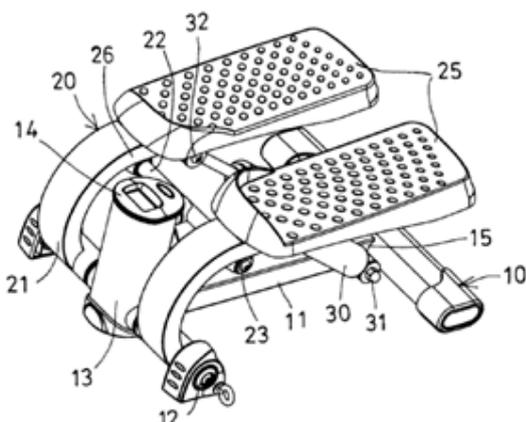
A63B 22/0056

{the pivoting movement being in a vertical plane, e.g. steppers with a horizontal axis (platforms for rocking motion about a horizontal axis [A63B 22/16](#))}

Definition statement

This place covers:

The support elements are cantilevered and pivot about an axis, the axis being outside the vertical projection of the support elements.



References

Limiting references

This place does not cover:

Platforms for rocking motion about a horizontal axis	A63B 22/16
--	----------------------------

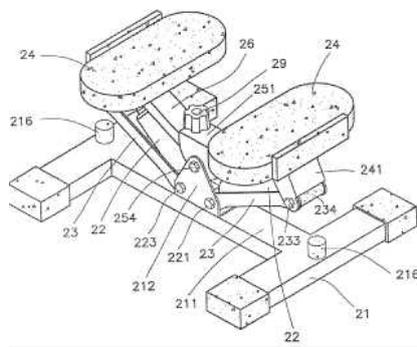
A63B 22/0058

{the vertical plane being the frontal body-plane}

Definition statement

This place covers:

Movement on the frontal plane of the user, side-to side movement path, not forwards/backwards.



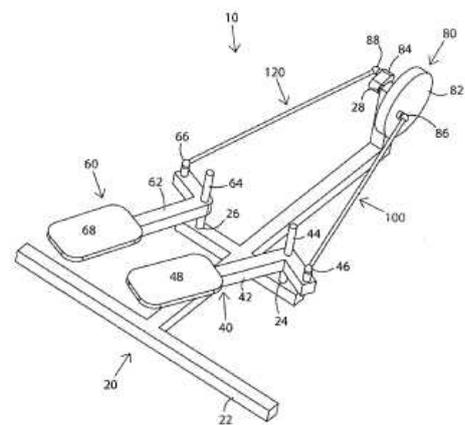
US2003008750

A63B 22/0061

{the pivoting movement being in a horizontal plane, e.g. skating movement (platforms for reciprocating rotating motion about a vertical axis [A63B 22/14](#))}

Definition statement

This place covers:



US2009239713

References

Limiting references

This place does not cover:

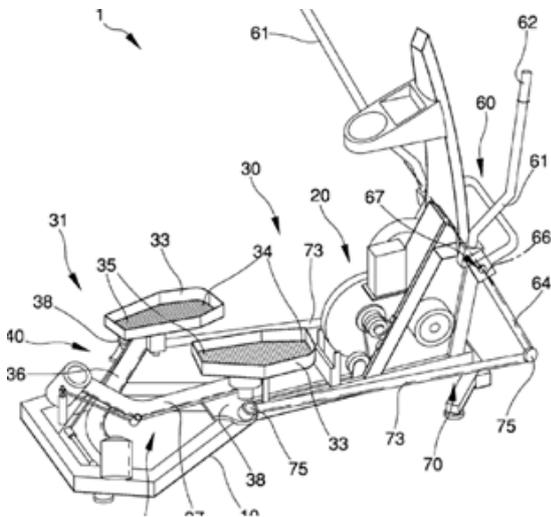
Platforms for reciprocating rotating motion about a vertical axis	A63B 22/14
---	----------------------------

A63B 22/0069

{about an axis inclined with respect to the horizontal plane, e.g. steppers with an inclined axis}

Definition statement

This place covers:



A63B 22/0076

{Rowing machines for conditioning the cardio-vascular system (seats moving during exercise [A63B 22/0087](#); training appliances for rowing or sculling on boats [A63B 69/06](#))}

Relationships with other classification places

Training appliances for rowing or sculling on boats [A63B 69/06](#)

Seats moving during exercise has to be classified in [A63B 22/0087](#)

A63B 22/0087

{with a seat or torso support moving during the exercise, e.g. reformers ([A63B 22/0076](#) takes precedence)}

References

Limiting references

This place does not cover:

Pivoting movement to be classified in	A63B 22/0048
---------------------------------------	------------------------------

Special rules of classification

Translation movement not classified

A63B 2022/0092

{for training agility or co-ordination of movements}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Visualisation or indication relating to symmetrical exercise	A63B 2071/0652
--	--------------------------------

A63B 2022/0094

{for active rehabilitation, e.g. slow motion devices}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Passive rehabilitation	A61H 1/00
------------------------	---------------------------

A63B 2022/0097

{for avoiding blood stagnations, e.g. Deep Vein Thrombosis [DVT]}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Passive devices therefore	A61H 2209/00
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A63B 22/02

with movable endless bands {, e.g. treadmills (other training appliances for running on the spot [A63B 69/0028](#))}

Relationships with other classification places

Exercise equipments for training animals. [A01K 15/027](#)

References**Limiting references**

This place does not cover:

Belts for conveyors	B65G 15/30
Treadmills for producing mechanical power	F03G 5/025

Informative references

Attention is drawn to the following places, which may be of interest for search:

Shock absorbing means for treadmills	A63B 22/0207
Physical characteristics of the belt of a treadmill	A63B 22/0285
Treadmills with separate belt for each leg, e.g. dual deck	A63B 22/0292
Other training appliances for running on the spot	A63B 69/0028
For wheelchair users	A63B 2071/0018
Space saving	A63B 2210/50
Measuring or simulating ambient conditions (e.g. wind)	A63B 2220/70
Suspension devices for supporting the body	A61H 3/008

A63B 22/0242

{with speed variation}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Controlled by user's position on the belt	A63B 2024/0093 , A63B 2220/13
---	--

A63B 22/04

with movable {multiple} steps {, i.e. more than one step per limb, e.g. steps mounted on endless loops, endless ladders (steppers with cantilevered support elements pivoting about an axis [A63B 22/0048](#))}

Definition statement

This place covers:

If not differently coded the steps or platforms reciprocate in anti-phase (when one leg moves forwards, the other leg moves rearwards).

References**Limiting references**

This place does not cover:

Steppers with cantilevered support elements pivoting about an axis	A63B 22/0048
--	------------------------------

A63B 22/06

with {support elements performing a} rotating cycling movement, {i.e. a closed path movement} (support stands for bicycles [A63B 69/16](#); unicycles [B62K 1/00](#))

References**Limiting references**

This place does not cover:

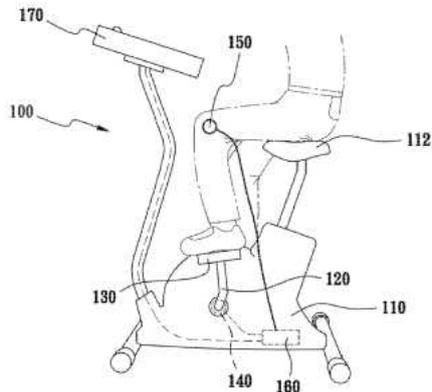
Support stands for bicycles	A63B 69/16
Rotating cycling movement for PASSIVE exercising	A61H 1/0214
Unicycles	B62K 1/00

A63B 22/0605

{performing a circular movement, e.g. ergometers}

Definition statement

This place covers:



US2010248905

Relationships with other classification places

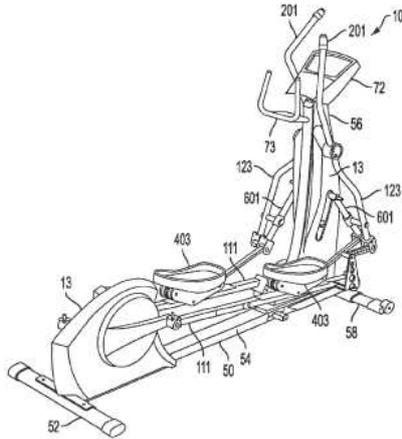
Bicycles	B62K 3/00
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A63B 22/0664

{performing an elliptic movement}

Definition statement

This place covers:



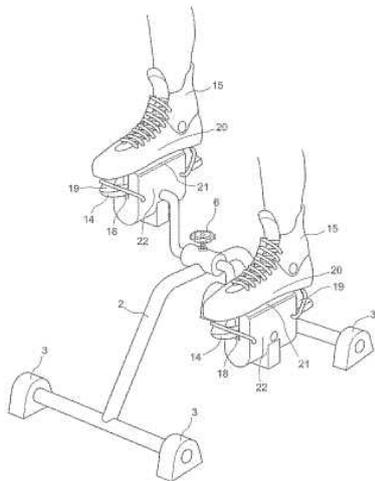
WO2004014494

A63B 22/0694

{without integral seat, e.g. portable mini ergometers being placed in front of a chair, on a table or on a bed}

Definition statement

This place covers:



WO2005123197

Small portable devices which can be placed in front of a chair, on a table, on a door or on a bed.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Fastening household utensils to tables, walls or the like	A47G 29/087
---	-----------------------------

Special rules of classification

The kind of movement has to be classified in [A63B 22/0605](#) if circular, in [A63B 22/0664](#) if generally elliptical or [A63B 22/06](#) if the cycling movement has any other shape.

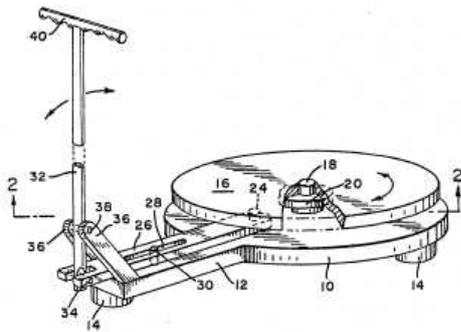
A63B 22/14

Platforms for reciprocating rotating motion about a vertical axis {, e.g. axis through the middle of the platform}

Definition statement

This place covers:

axis passing substantially in the middle of a platform or between the platforms



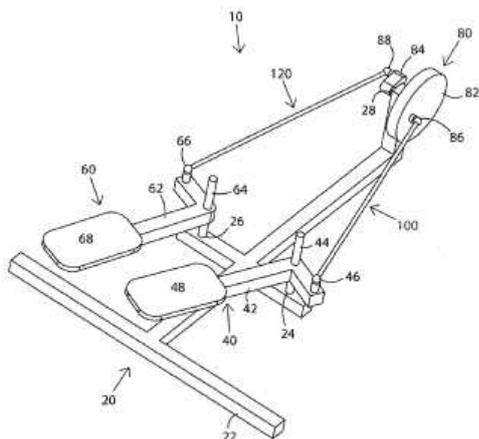
US4313603

References

Limiting references

This place does not cover:

devices with cantilevered platform like the one below



Limiting references

US2009239713

these devices do not have the axis passing through their middle portion or between the platforms:
these devices have to be classified in [A63B 22/0061](#)

Devices with cantilevered platform	A63B 22/0061
------------------------------------	------------------------------

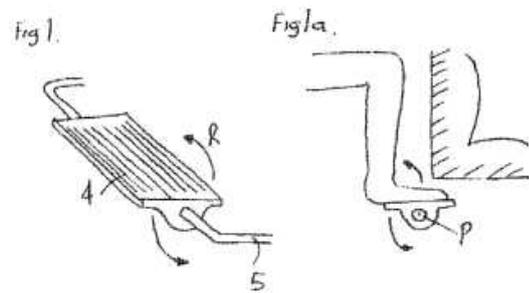
A63B 22/16

Platforms for rocking motion about a horizontal axis {, e.g. axis through the middle of the platform}; Balancing drums; Balancing boards or the like {(exercising apparatus with cantilevered support elements pivoting about an axis [A63B 22/0056](#); other exercising apparatus for improving balance [A63B 26/003](#))}

Definition statement

This place covers:

Axis being situated generally in the middle portion of the platforms



GB2377651

References

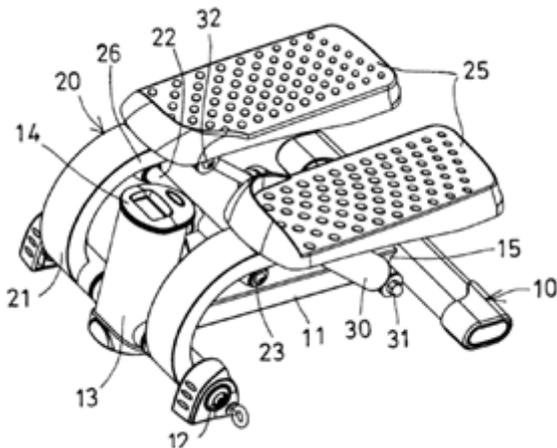
Limiting references

This place does not cover:

Other exercising apparatus for improving balance	A63B 26/003
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Special rules of classification

Devices with cantilevered platform like the one below



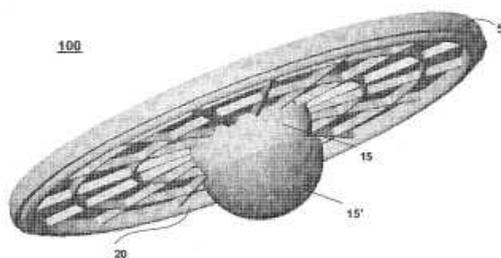
These devices with cantilevered platforms have the axis situated far from their middle portion: these devices have to be classified in [A63B 22/0056](#)

A63B 22/18

with elements, {i.e. platforms,} having a circulating, {nutating} or rotating movement, generated by oscillating movement of the user, {e.g. platforms wobbling on a centrally arranged spherical support} (hoop exercising apparatus [A63B 19/00](#); {eccentric weights put into orbital motion by nutating movement of the user [A63B 21/0608](#); pots rotating or rocking by moving the whole body [A63G 23/00](#)})

Definition statement

This place covers:



US2004018924

References

Limiting references

This place does not cover:

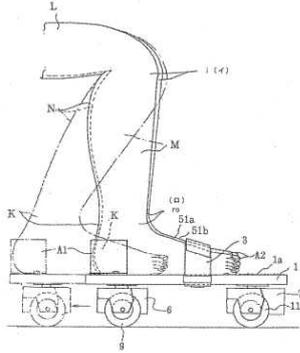
Hoop exercising apparatus	A63B 19/00
Eccentric weights put into orbital motion by nutating movement of the user	A63B 21/0608
Pots rotating or rocking by moving the whole body	A63G 23/00

A63B 22/20

using rollers, wheels, castors or the like, {e.g. gliding means,} to be moved over the floor or other surface, {e.g. guide tracks,} during exercising

Definition statement

This place covers:



US2004198564

A63B 22/201

{for moving a support element in reciprocating translation, i.e. for sliding back and forth on a guide track}

Definition statement

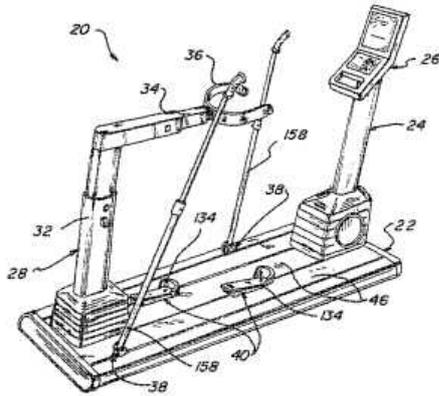
This place covers:

All kind of devices for which the reciprocating movement cannot be classified in the subclasses [A63B 22/203](#) or [A63B 22/205](#).

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Reciprocating translation on a curved path	A63B 2022/206
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A63B 22/203**{in a horizontal plane}****Definition statement***This place covers:*

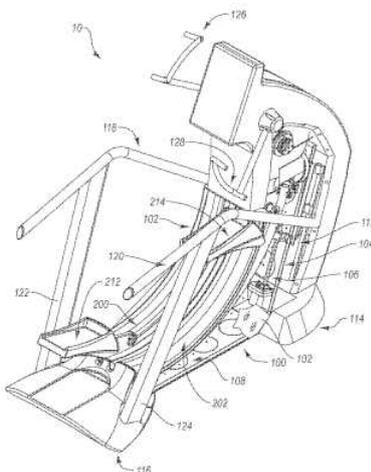
US5368533

References**Informative references***Attention is drawn to the following places, which may be of interest for search:*

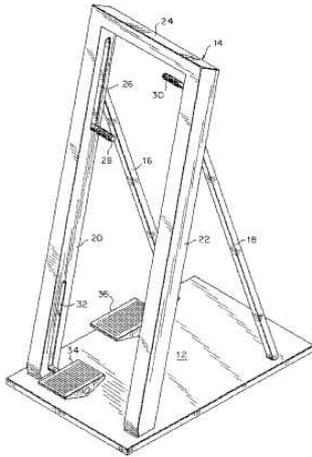
Means for supporting or limiting movement of body parts	A63B 69/0057
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A63B 22/205

{in a substantially vertical plane, e.g. for exercising against gravity (exercising for developing or strengthening the muscles or joints of the body by working against a user's body weight [A63B 21/068](#); with adjustable inclination [A63B 22/0023](#))}

Definition statement*This place covers:*

US2008032869



US5803880

References

Limiting references

This place does not cover:

Exercising for developing or strengthening the muscles or joints of the body by working against a user's body weight	A63B 21/068
With adjustable inclination of the main axis of the movement path	A63B 22/0023

A63B 23/00

Exercising apparatus specially adapted for particular parts of the body ([A63B 22/00](#) takes precedence; force-resisting aspects [A63B 21/00](#); electric or electronic controls therefor [A63B 24/00](#); devices for exercising or strengthening of fingers, or arms in teaching operation of keyboards [G09B 15/06](#))

Definition statement

This place covers:

The use of the Exercising apparatuses for active strength physical training.

References

Limiting references

This place does not cover:

Use of the apparatus for cardio-vascular, agility or coordination	A63B 22/00
Passive stretching or bending	A61H 1/02

Informative references

Attention is drawn to the following places, which may be of interest for search:

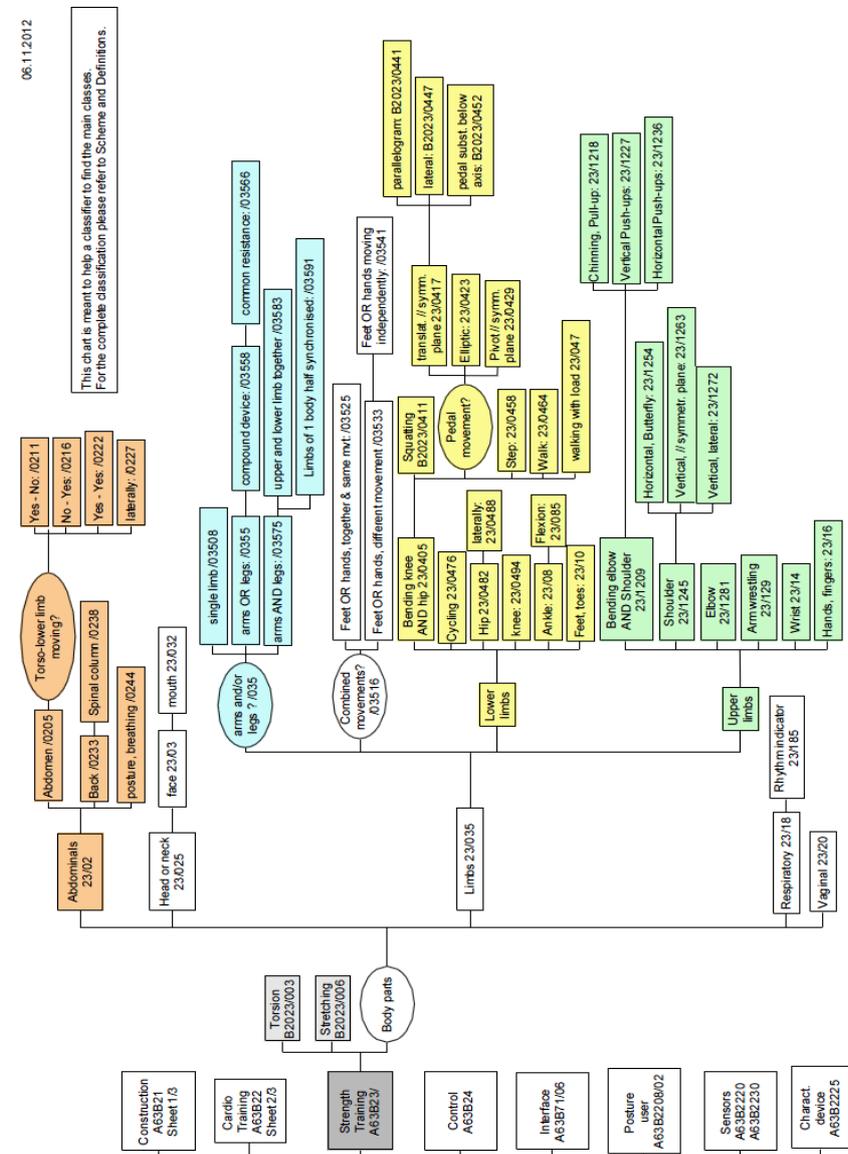
Isometric or Isokinetic exercises	A63B 21/002
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Devices for exercising or strengthening of fingers, or arms in teaching operation of keyboards	G09B 15/06
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Special rules of classification

These further different aspects should be considered while classifying the apparatuses for active physical exercising (see also the flowchart annexed after [A63B 24/00](#) and the Classification examples for [A63B 22/00](#)).

Construction features of an exercising apparatus	A63B 21/00
Electric or electronic control	A63B 24/00
Means for physically limiting movements of body parts	A63B 69/0057
Sensors	A63B 2220/00
Position of the user during training	A63B 2208/00



Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Concentric exercise	exercise: the muscle shortens as it contracts, a concentric contraction of the biceps would cause the arm to bend at the elbow and hand to move from near to the leg, to close to the shoulder
Eccentric exercise	the muscle elongates while under tension due to an opposing force being greater than the force generated by the muscle. Rather than working to pull a joint in the direction of the muscle contraction, the muscle acts to decelerate the joint at the end of a movement
Isometric exercise	a type of strength training in which the joint angle and muscle length do not change during contraction
Isokinetic exercise	dynamic muscle activity performed at a constant angular velocity; torque and tension remain constant while muscles shorten or lengthen;
Isotonic exercise	active exercise without appreciable change in the force of muscular contraction, with shortening of the muscle.

A63B 2023/003

{by torsion of the body part around its longitudinal axis}

References

Limiting references

This place does not cover:

Arm wrestling	A63B 23/129
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A63B 2023/006

{for stretching exercises}

Definition statement

This place covers:

Exercise devices for active stretching exercises.

References

Limiting references

This place does not cover:

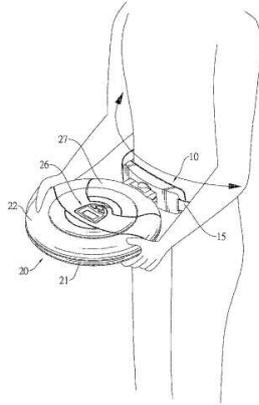
Passive stretching devices	A61H 1/02
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A63B 23/02

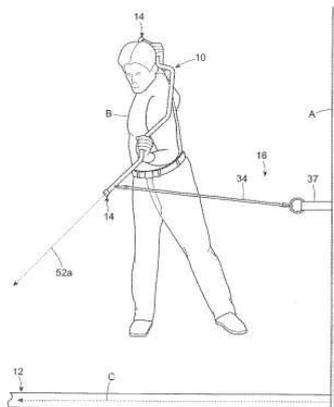
for the abdomen, the spinal column or the torso {muscles related to shoulders (e.g. chest muscles)}

Definition statement

This place covers:



US7744510



US2009239675

References

Limiting references

This place does not cover:

Torsion movements	A63B 2023/003
Position of the user during training	A63B 2208/00

Informative references

Attention is drawn to the following places, which may be of interest for search:

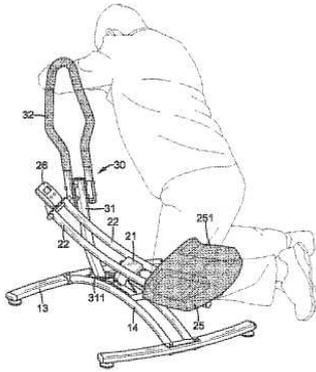
Exercising belts without indicating means	A63B 21/00
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A63B 23/0205

{Abdomen}

Definition statement

This place covers:



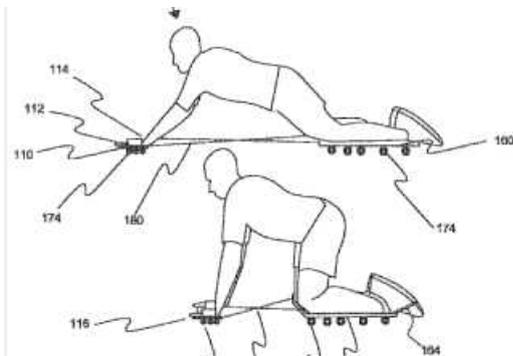
US7878957

A63B 23/0211

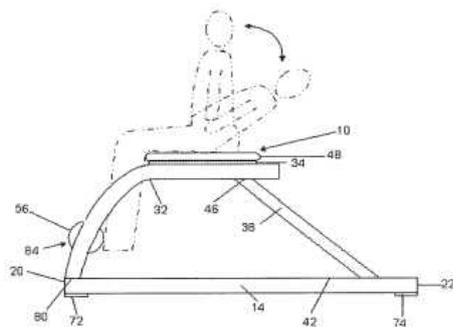
{moving torso with immobilized lower limbs}

Definition statement

This place covers:



US2010216615



US2005009678

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

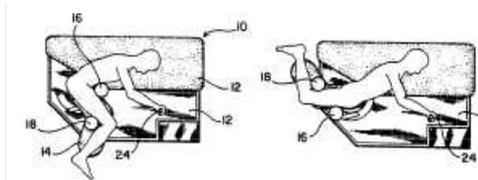
Attachment of lower limbs to exercising apparatus	A63B 21/4011
Leg restraining devices	A63B 69/0062
Drawing-out, the patient hanging upside down	A61H 1/0218
Feet or leg holding means	A61H 2201/1642

A63B 23/0216

{moving lower limbs with immobilized torso}

Definition statement

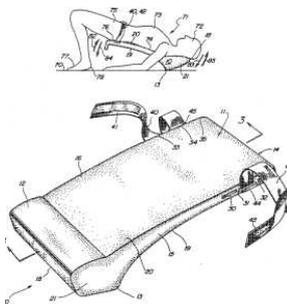
This place covers:



US5273508



US5080352



US5147267

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

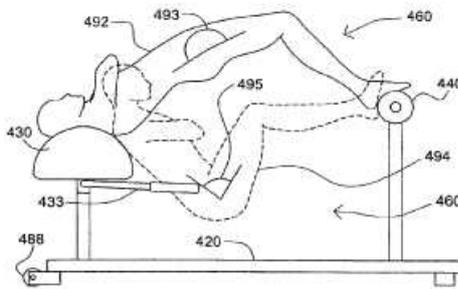
Attachment of upper limbs to exercising apparatus	A63B 21/4017
Means for physically limiting movements of body parts	A63B 69/0057

A63B 23/0222

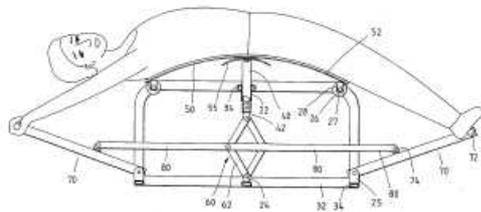
{moving torso and lower limbs}

Definition statement

This place covers:



WO2008077117



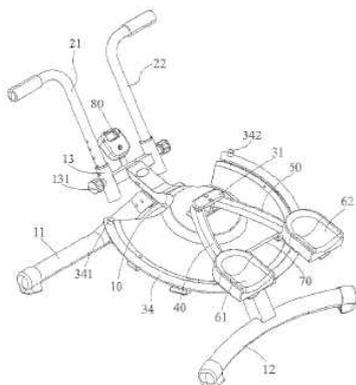
US5531658

A63B 23/0227

{moving torso or lower limbs laterally, i.e. substantially in the frontal plane}

Definition statement

This place covers:



FR2950537

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

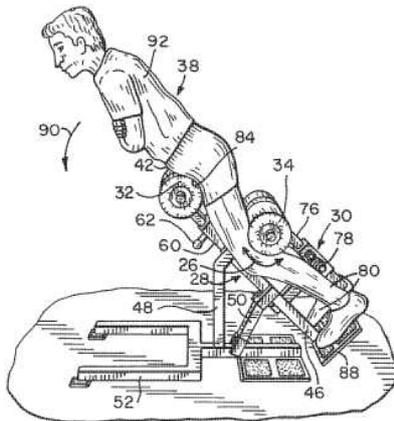
Movement perpendicular to the body-symmetrical plane for cardio training	A63B 2022/003
Cantilevered support platforms for cardio training	A63B 22/0048

A63B 23/0233

{Muscles of the back, e.g. by an extension of the body against a resistance, reverse crunch}

Definition statement

This place covers:



US6287244



US2008090709

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Attachment of lower limbs to exercising apparatus	A63B 21/4011
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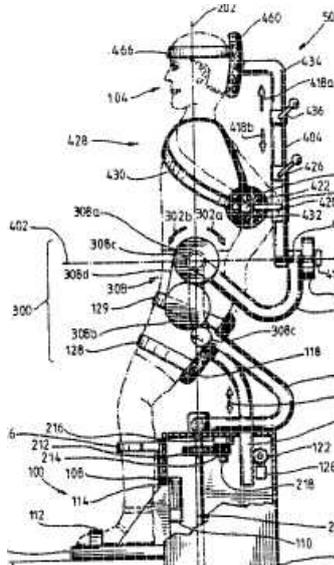
Attachment of upper limbs to exercising apparatus	A63B 21/4017
Means for physically limiting movements of body parts	A63B 69/0057
Drawing-out, the patient hanging upside down	A61H1/02D2
Feet or leg holding means	A61H 2201/1642

A63B 23/0238

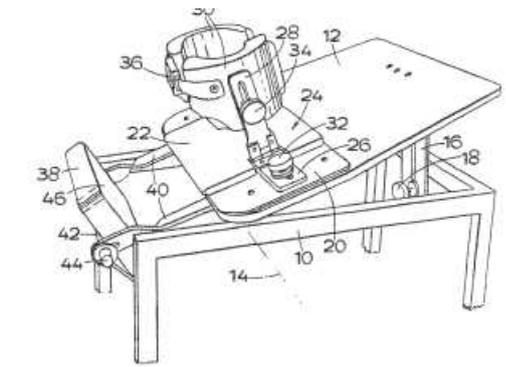
{Spinal column (for the neck [A63B 23/025](#))}

Definition statement

This place covers:



US5324247



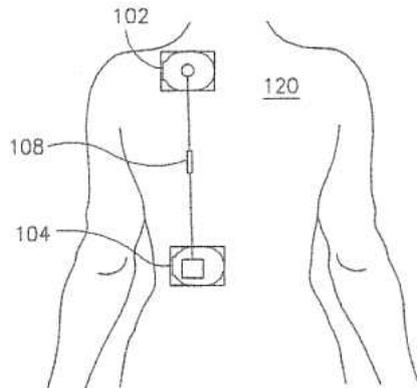
GB2222085

A63B 23/0244

{with signalling or indicating means, e.g. of incorrect posture, for deep-breathing exercises}

Definition statement

This place covers:

**References****Limiting references**

This place does not cover:

Detecting, measuring or recording devices for testing the shape, pattern, size or movement of the body or parts thereof, for diagnostic purposes
--

A61B 5/103

A63B 23/025

for the head or the neck

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Passive stretching devices for the neck

A61H 1/0296

A63B 23/035

for limbs, i.e. upper or lower limbs, e.g. simultaneously

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

for cardio-training

A63B 22/0002

A63B 23/04

for lower limbs {(training appliances for special sports [A63B 69/00](#); for the purpose of producing mechanical power [F03G 5/00](#)}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Training appliances for special sports	A63B 69/00
for the purpose of producing mechanical power	F03G 5/00

A63B 23/12

for upper limbs {or related muscles, e.g. chest, upper back or shoulder muscles (bench press exercises [A63B 21/078](#); for teaching music [G09B 15/06](#)}

Definition statement

This place covers:

Exercise devices for specifically training the strength of the upper limb or upper extremity which comprises the region extending from the deltoid region to the hand, including the arm, axilla and shoulder.

References**Limiting references**

This place does not cover:

Horizontal bars for pull up exercising	A63B 1/00
Exercising upper limbs for teaching music	G09B 15/06

A63B 23/18

for improving respiratory function

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Means for creating vibrations in patient's airways	A61M 16/0006
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A63B 23/20

for vaginal muscles {or other sphincter-type muscles}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Massage of the genitals	A61H 19/00
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Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Vaginal muscles or other sphincter-type muscles	called pubococcygeal muscles
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A63B 24/00

Electric or electronic controls for exercising apparatus of preceding groups; {Controlling or monitoring of exercises, sportive games, training or athletic performances}

Definition statement

This place covers:

- Electric or electronic controls within exercising apparatuses for active physical training.
- Electric or electronic controls for [A63B 21/00-A63B 23/00](#) are specifically classified in [A63B 24/0087](#).

References**Limiting references**

This place does not cover:

Passive physical training	A61H 2201/50
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Applications relating only to software and not dealing with mechanical features of the exercising apparatuses are classified in section G, for example:

Database structure, Audio information retrieval	G06F 16/60
Database structure, Video information retrieval	G06F 16/70
Data Management	G06Q 50/22
Recognition of body movements, e.g. for sport training	G06V 40/23
Applications for learning a movement	G09B 19/003

Informative references

Attention is drawn to the following places, which may be of interest for search:

Video games	A63F 13/00
Controlling member being movable by hand, e.g. joystick	G05G 9/047

Informative references

Digital data processing	G06F
Image analysis	G06T 7/00
Image generation (2D)	G06T 11/00
Recognising movements or behaviour	G06V 40/20
Mechanisms actuated by objects other than coins	G07F 7/00
Coin freed apparatus for sports or amusements	G07F 17/32
ICT specially adapted for therapies or health-improving plans (e.g. for handling prescriptions, for steering therapy or for monitoring patient compliance) relating to physical therapies or activities (e.g. exercising)	G16H 20/30

Special rules of classification

These further different aspects should be considered while classifying the apparatuses for active physical exercising (see also the flowchart annexed after [A63B 24/00](#) and the Classification examples for [A63B 22/00](#)):

Construction features of an exercising apparatus	A63B 21/00
Use of apparatus for cardio-vascular, agility or coordination	A63B 22/00
Use of the apparatus for strength training	A63B 23/00
Means for physically limiting movements of body parts	A63B 69/0057
Sensors	A63B 2220/00
Position of the user	A63B 2208/00

A63B 24/0003

{Analysing the course of a movement or motion sequences during an exercise or trainings sequence, e.g. swing for golf or tennis}

References**Limiting references**

This place does not cover:

Analysing movement for medical diagnosis	A61B 5/103
Teaching repetitive work cycles; Sequence of movements	G06B19/00E
Recognition of whole body movements, e.g. for sport training	G06V 40/23

Informative references

Attention is drawn to the following places, which may be of interest for search:

Differential GPS	G01S 5/145
Analysis of motion from image	G06T 7/20

A63B 24/0021**{Tracking a path or terminating locations}****Definition statement***This place covers:*

Tracking a path or terminating locations, including: position, e.g. in function of time, speed, acceleration.

A63B 24/0059**{Exercising apparatus with reward systems}****Definition statement***This place covers:*

Exercise devices with systems for rewarding the user and provide incentives to train.

References**Limiting references***This place does not cover:*

Virtual environments for tracking the behaviour,

the purchases or the athletic activity of an user in order to customize services offered to the user:

Marketing, e.g. market research and analysis, surveying, promotions, advertising, buyer profiling, customer management, rewards; Price estimation and determination	G06Q 30/02
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Informative references*Attention is drawn to the following places, which may be of interest for search:*

Virtual races	A63B 24/0084
Means for conducting or scheduling competition, league, tournaments, rankings	A63B 71/0616

A63B 24/0062**{Monitoring athletic performances, e.g. for determining the work of a user on an exercise apparatus, the completed jogging or cycling distance}****References****Limiting references***This place does not cover:*

Monitoring performances for medical diagnosis	A61B 5/103
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A63B 24/0075

{Means for generating exercise programs or schemes, e.g. computerized virtual trainer, e.g. using expert databases}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Time management	G06Q 10/109
Task assignment	G06Q 10/1097

A63B 24/0084

{Exercising apparatus with means for competitions, e.g. virtual races}

Definition statement

This place covers:

Exercise devices with means for competitions

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Ranking	A63B 71/0616
Maps of tracks or courses	A63B 2071/0691
Wireless	A63B 2225/00 - A63B 2225/50
Interaction between a plurality of game devices	A63F 13/30
Arrangements for interaction with the human body	G06F 3/011
Digital computing special functions	G06F 17/00
Networking; advertising	G09F 23/00
Network security protocols	H04L 63/00
Protocols for real-time services in data packet switching networks	H04L 65/00
Protocols for telewriting; Protocols for networked simulations, virtual reality orgames	H04L 67/131

A63B 25/08

Hopping-sticks, e.g. pogo sticks {; Hopping apparatus with a single resilient support (devices for balloon jumping [A63B 5/166](#))}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Devices for balloon jumping	A63B 5/166
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A63B 26/003

{for improving balance or equilibrium (balance beams [A63B 4/00](#); apparatus for rope dancing [A63B 7/08](#); balancing drums, balancing boards or the like [A63B 22/16](#))}

Definition statement

This place covers:

Apparatus for improving balance or equilibrium

References**Limiting references**

This place does not cover:

Balance beams	A63B 4/00
Apparatuses for rope dancing	A63B 7/08
Balancing drums, balancing boards or the like	A63B 22/16
Wobbling platforms	A63B 22/18
Training surfing, i.e. without a sail, skateboarding, snowboarding	A63B 69/0093

A63B 27/00

Apparatus for climbing poles, trees, or the like ({ropes [A63B 29/02](#);} safety belts for climbers [A62B 35/00](#))

Relationships with other classification places

A pump jack travelling on pole is to be classified here or in subgroups and, when relevant, also in [B66F 1/02](#), [B66F 19/00](#), and/or [E04G 1/20](#).

References**Limiting references**

This place does not cover:

Ropes	A63B 29/02
Safety belts for climbers	A62B 35/00

Informative references

Attention is drawn to the following places, which may be of interest for search:

Devices preventing persons from falling from ladders	E06C 7/08
Climbing irons permanently attached to fixed structures	E06C 9/04

A63B 29/00

Apparatus for mountaineering (helmets [A42B 3/00](#); non-skid devices or attachments for footwear, e.g. crampons, [A43C 15/00](#); breathing masks or helmets for use at high altitudes [A62B 18/00](#); picks [B25D 7/00](#))

Definition statement

This place covers:

Mechanical inventive aspects of apparatuses for mountaineering.

References

Limiting references

This place does not cover:

Helmets	A42B 3/00
Non-skid devices or attachments for footwear, e.g. mountain climbing irons	A43C 15/00
Breathing masks or helmets for use at high altitudes	A62B 18/00
Picks	B25D 7/00

Informative references

Attention is drawn to the following places, which may be of interest for search:

Devices for lowering persons, including "descendeurs", rope brakes etc	A62B 1/06
Safety belts or body harnesses	A62B 35/00
Arrangements on buildings for connecting safety-lines	E04G 21/3261

Special rules of classification

Devices for lowering persons are classified in [A62B 1/06](#). This includes descendeurs, rope brakes etc.

A63B 29/02

Mountain guy-ropes or accessories, e.g. avalanche ropes; Means for indicating the location of accidentally buried, e.g. snow-buried, persons

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Rope-lowering devices for mountaineering	A62B 1/06
Rope-lowering devices for mountaineering with brakes sliding on the rope	A62B 1/14
Safety belts for climbers	A62B 35/00
Hooks, e.g. snaphooks, therefor	F16B 45/00
Detecting hidden masses in general	G01V

Special rules of classification

Multiple entry classification in different classes is sometime used in borderline cases, i.e. documents are classified in the applicable groups and/or subgroups of two different sub-classes: [A62B 1/00](#) and [A63B 29/00](#).

For example, the document EP0752255 A1 is classified as follows (multiple entry classification in different classes): [A62B 1/14](#), [A62B 35/04](#), [A63B 29/02](#).

A63B 29/021

{Means for indicating the location of accidentally buried, e.g. snow-buried, persons}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Devices allowing a buried person to escape or draw attention, e.g. avalanche airbags	A62B 33/00
Detecting hidden masses in general	G01V
Distress signalling devices	G08B 5/002

Special rules of classification

Mechanical means for helping someone survive an avalanche are also classified here.

A63B 29/024

{Climbing chocks}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Friction-grip releasable fastenings	F16B 2/00
Dowels or other devices fastened in walls or the like by inserting them in holes made therein for that purpose	F16B 13/00
Means for fastening cables or ropes to one another or to other objects; Caps or sleeves for fixing on cables or ropes	F16G 11/00

A63B 29/028

{Ropes specially adapted for mountaineering}

References

Limiting references

This place does not cover:

Ropes in general	D07B
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A63B 29/08

Hand equipment for climbers

Definition statement

This place covers:

Hand equipment for climbers e.g. ice axes, chalk bags.

Relationships with other classification places

For chalk bags for climbing multiple classification applies: See also:

Sacks or packs carried on the body by means of a single strap around the waist	A45F 3/005
Holders or carriers for use while travelling or camping fastened to the belt	A45F 5/021
Sport bags	A45C 2003/007

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Apparatus for climbing poles, trees, or the like	A63B 27/00
Walking/Climbing sticks	A45B
Ski-sticks	A63C 11/22

A63B 31/00

Swimming aids (teaching swimming [A63B 69/10](#) - [A63B 69/14](#); life-saving in water {, e.g. life-buoys, life-belts,} [B63C 9/00](#))

Relationships with other classification places

Body flotation supports, e.g. for children, are to be classified in [B63C 9/00](#) and subgroups (see, e.g. [B63C 9/08](#) and [B63C 9/13](#)), even if they do not fit the definition "life-saving".

In [B63C 9/00](#) and subgroups, the sole purpose of the device is to provide enough flotation for people - under distress – to stay afloat. It is designed with the capacity to maintain a person afloat.

On the other hand, [A63B 31/00](#) relates to swimming aids, i.e. devices which do not necessarily provide a flotation capacity sufficient to maintain a person afloat and are intended to help swimming. "Swimming" needs to be understood as an active movement by the user and not simply staying afloat.

There are inevitably overlaps, so double classification might be needed.

References

Limiting references

This place does not cover:

Apparatus for teaching swimming or training	A63B 69/10 , A63B 69/12
Swimming boards and other teaching frames for swimming	A63B 69/14

Body flotation supports, e.g. for children	B63C 9/00
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Exercise apparatus with counterforce generated by moving the ambient water (hydraulic force resistors for exercising)	A63B 21/0084
Inflatable	A63B 2225/62
Body floating supports for relaxation in water	A61H 37/005
Toy boats; Floating toys; Other aquatic toy devices	A63H 23/00
Body-boards, i.e. surfboards specially adapted for use by users in prone position; Planing members attachable to, or held by body-surfers	B63B 32/20 , B63B 32/22
Vessels or like floating structures for pleasure or sport	B63B 34/00
Rafts, i.e. free floating waterborne vessels, of shallow draft, with little or no freeboard, and having a platform or floor for supporting a user	B63B 35/58

A63B 31/08

Swim fins, flippers or other swimming aids held by, or attachable to, the hands, arms, feet or legs ([A63B 31/18](#) takes precedence; worn as gloves [A63B 31/02](#))

References

Limiting references

This place does not cover:

Swimming appliances with propulsive effect for hands and feet simultaneously	A63B 31/18
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Swimming aids worn as gloves	A63B 31/02
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A63B 33/00

Swimming equipment attachable to the head, e.g. swim caps or goggles (diving masks [B63C 11/12](#); breathing aids, e.g. snorkels, [B63C 11/18](#))

Definition statement

This place covers:

Helmets for swimming and/or playing water polo, and any other kind of swimming equipment whose function is intrinsically connected to the practise of any kind of sport in water. It is also used for nose clips for swimming.

References

Limiting references

This place does not cover:

Diving masks	B63C 11/12
Air supply equipment for dwelling or working underwater, Breathing aids, e.g. snorkels	B63C 11/18

Informative references

Attention is drawn to the following places, which may be of interest for search:

Swimming boards and other teaching frames for swimming	A63B 69/14
Other body protectors for the head	A63B 71/10
Head protectors in the form of caps or hats	A42B 1/08
Hats or head coverings, soft caps or hoods, bathing caps not specifically conceived for sporting purposes	A42B 1/12
Helmets	A42B 3/00
Surgical instruments for use in the nose	A61B 17/24
Devices for correcting deformities of the nose and for enlarging the nostrils for breathing improvement	A61F 5/08
Nose clips for preventing snoring	A61F 5/56
Nose clips when part of respiratory or breathing apparatus	A62B 9/06
Nose filters	A62B 23/06
Shaping of plastics, swimming equipment	B29L 2031/5254
Divers' equipment	B63C 11/02
Diving masks (comprising nose-clips	B63C 2011/125

A63B 33/002

{Swimming goggles}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Attachment of buckle to strap	A44B 11/006
Buckles with strap length adjustment	A44B 11/2557
Protective goggles	A61F 9/02
Straps; Buckles; Attachment of headbands for goggles	A61F 9/027
Diving masks	B63C 11/12
Straps, or the like for fastening diving masks; Accessories therefor, e.g. buckles	B63C 2011/128

A63B 35/00

Swimming framework with driving mechanisms operated by the swimmer or by a motor (other vessels or like floating structures for pleasure or sport [B63B 32/00](#), [B63B 34/00](#); divers' sleds or like craft [B63C 11/46](#))

References

Limiting references

This place does not cover:

Divers' sleds or like craft	B63C 11/46
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Water sports boards; Accessories therefor	B63B 32/00
Vessels specially adapted for water sports or leisure, e.g. canoes or kayaks; Body-supporting devices specially adapted for water sports or leisure	B63B 34/00
Vessels or similar floating structures specially adapted for specific purposes and not otherwise provided for	B63B 35/00

Special rules of classification

References [B63B 32/00](#) and [B63B 34/00](#) are non-limiting in the main group [A63B 35/00](#). CPC will be corrected once this inconsistency is resolved in IPC.

A63B 37/00

Solid balls; {Rigid hollow balls; } Marbles (heavy throwing balls [A63B 65/06](#))

References

Limiting references

This place does not cover:

Heavy balls for throwing, i.e. medicine balls, shots, weights or stones for putting	A63B 65/06
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Billiards	A63B 2243/002
Shaping of plastics, golf balls	B29L 2031/546

Special rules of classification

Billiard, pool and snooker balls are classified in [A63B 37/00](#) and [A63B 2243/002](#).

A63B 37/0003

{Golf balls}

Relationships with other classification places

The subgroups are arranged in a tree structure, of which the following are the main branches:

- general subgroup for golf balls (note: to be allocated as "Additional Information" when the golf ball is not the invention but nevertheless is mentioned in the application);
- dimples and protrusions;
- non-structural external layer: coatings and markings, exclusively;
- three structural layers: cover (exclusively), intermediate layer (all the intermediate layers: Inner Cover, Mantel, Outer Core) and core (exclusively), respectively;
- ball as a whole.

The following "branches" apply independently to each of the different structural layers (cover, intermediate layer, core) and are repeated for each of the structural layers:

- Materials and Chemistry
- Coefficient of restitution
- Hardness
- Hardness Gradient
- Thickness / Diameter
- Deflection or Compression
- Density / Gravity
- Melt flow rate
- Mass, Weight (only common to the core and to the ball as a whole)
- Initial Velocity (only common to the core and to the ball as a whole)
- Flexural Modulus

(Note that some properties are not repeated for each structural layer and have therefore not been mentioned here).

It will be often necessary to classify the chemistry aspects outside of the scope of [A63B](#). Thus, multiple classification is commonly used between classes and sections. Some guidance can be derived from the following examples:

- [C08L 23/0876](#): Neutralised polymers, i.e. ionomers
- [C08L 75/00](#): Compositions of polyureas or polyurtehanees
- [C08L 77/00](#): Compositions of polyamides obtained by reactions forming a carboxylic amide link in the main chain
- [C08K 5/00](#): Use of organic ingredients
- [C08K 5/098](#): Metal salts of carboxylic acids
- [C08G 18/00](#): Polymeric products of isocyanates or isothiocyanates
- [C09D 1/00](#): Coating compositions
- [B29C 35/00](#): Heating, cooling or curing, e.g. crosslinking, vulcanising
- [B29C 45/14819](#): Injection moulding by completely encapsulating inserts (typical for golf balls)
- [B29C 59/00](#): Surface shaping, e.g. embossing

"Practice/training golf balls" are also allocated to subgroups [A63B 69/3655](#) and/or [A63B 69/3688](#).

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Golf balls for practising drives	A63B 69/3655
Golf balls for practising putts	A63B 69/3688
Methods for moulding	B29
Chemical aspects	C08

Special rules of classification

The best approach for classifying golf ball documents:

Look through the abstract;

Look at the drawings;

Look through the claims;

Look through the description:

- Pay attention to the first paragraph, "Summary of the invention";
- In the "Detailed description of this invention" pay attention wherever it is written "...of this invention" (and similar);
- Depending on the main invention, some information from the description can be considered significant or not, that is to say, to be classified as "Invention Information" or "Additional Information". For classifying "Additional Information" pay attention to the different embodiments, examples and tables;
- Sometimes the examples compare the invention with another golf ball, which is usually not to be classified.
- Common general knowledge present in the Description should not be classified.

The physical properties of subassemblies encompassing simultaneously different layers of a golf ball are to be classified as properties of the golf ball as a whole; e.g. the "compression of a golf ball subassembly consisting of the center and the intermediate layer has a compression of 50 or less" is classified as [A63B 37/0087](#).

"Volume" and/or "surface" of the core or a layer of a golf ball must be classified with the equivalent physical property of diameter or thickness of the corresponding layer.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

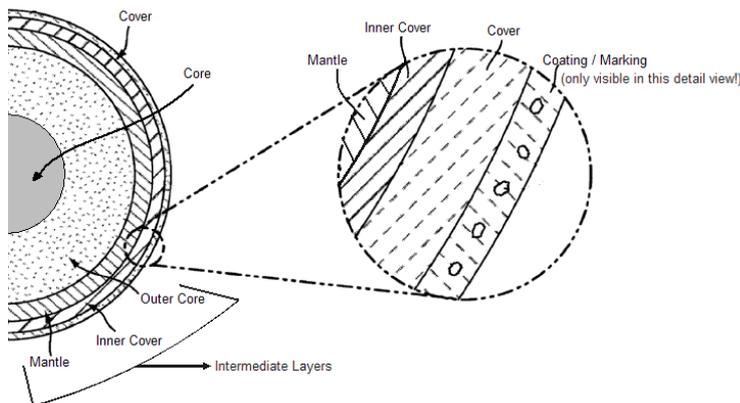
The issue of the different layers of the ball:

- Non-structural: Coating/Marking.
- Structural: Cover, Intermediate layer, Core.

Golf balls usually have only ONE cover and only ONE core. The rest of the structural layers are simply intermediate layers.

- Irrespective of the wording and leaving aside the Coating/Markings (if any):
- Cover - the outermost mechanical layer
- Core - the innermost part of the ball
- Intermediate layer - every layer therebetween
- Therefore:

- "Inner cover" - intermediate layer (not Cover)
- "Outer core" - intermediate layer (not Core)
- "Core thickness": it must necessarily refer to the "outer core" (and, therefore, an Intermediate layer), as a "core" is defined by its diameter or its radius, but not by its thickness: this feature is, therefore, to be classified in [A63B 37/0045](#)
- "Mantel": it can refer to the cover OR the coat OR the intermediate layer: Therefore, it has to be interpreted correctly in order to know where to classify the information relating to such a "mantel"
- This is graphically exemplified as follows:



Other terms:

- "Thread wound core": only used for thread wound cores with nothing inside. It is, therefore, not to be used when a thread layer is wound around a core that is not thread.
- In long patent descriptions, it is often mentioned that the invention may be made from one up to three or more layers.

However, unless every single layer explicitly appears in claims, it is not to be classified in [A63B 37/0073](#) - [A63B 37/0076](#) every time.

For example:

- If the invention is mainly manufactured with 1 layer (core) but it can also be used in golf balls with more layers (but this information does not appear in the claims), we classify as follows:

Invention information: [A63B 37/0073](#);

Additional information: [A63B 37/0074](#), [A63B 37/0075](#), [A63B 37/0076](#).

If the invention describes in the claims every possible case (one, two, three-layer golf balls, etc.), classification is as follows:

Invention information: [A63B 37/0073](#), [A63B 37/0074](#), [A63B 37/0075](#), etc.

- "Multi-piece balls": Can be used both for three-piece balls and balls having two or more intermediate layers.
- Solid core ≠ Rigid core ([A63B 37/0054](#)) unless they specify that it is made of metal.
- Translucent cover [A63B 37/0024](#)
- [A63B 37/0039](#): to be allocated when the chemistry of the intermediate layer is neither an Ionomer, nor Polyurethane, nor Polybutadien, or, at least, a very unusual one amongst the previous one (so, mixed-up with other stuff, etc.)
- Initial Velocity concerning the Cover: allocate [A63B 37/0084](#).
- "Weight; Mass": Used for, e.g. specific weight, but not for chemical weight ratios.
- [A63B 37/0067](#) and [A63B 37/0083](#): Weight, just specific weight, not for ratio weight.
- MFR = Melt Flow Rate = MFI= Melt Flow Index: [A63B 37/0036](#) or [A63B 37/0048](#) (or both, if the layer is not specified).

Glossary of terms

- COR = Coefficient of Restitution -> [A63B 37/003](#), [A63B 37/0041](#), [A63B 37/0061](#) or [A63B 37/0078](#).
- Flexural Modulus [Mpa=factor x psi] is different from Young modulus=Tensile modulus=Elastic modulus, Ionomer modulus, Stiffness modulus, Flexural rigidity.
- "Hardness Gradient" is most likely to be found with cores. Example: The core has a JIS-C hardness at its surface of at least 70 and a JIS-C hardness at its center that is at least 10 units lower than the hardness at the core surface.
- "Hardness distribution amongst the different ball layers" ([A63B 37/0092](#)) is to be allocated when the hardness gradient does not apply only to a specific single layer amongst several, but to the whole ball.
- Rather common parameters such as "diameter of dimple", "spin rate", "rebound resilience", "coefficient of drag", etc. are not to be classified unless they are described in the claims, the abstract or the description accurately and in a quantitative manner, or unless they are mentioned throughout the document continuously (even if not quantitatively)... except with the "scuff resistance", which is usually valued with qualitative (not quantitative) terms (i.e. "good", "bad", "better", etc.) and is to be classified even without specific values being given therefor.
- [A63B 45/00](#): Manufacture of golf balls. It is written in claims or abstract; or it is fully described in description.
- "Material manufacturing process" for cover, internal layer or core: [A63B 45/00](#) and the corresponding [A63B 37/0023](#), [A63B 37/0038](#), [A63B 37/005](#) (or [A63B 37/0024](#), [A63B 37/0039](#), [A63B 37/0051](#)).
- "Moulding/molding compression": we do not have any specific subgroup for this: it is, however, a different concept from "deflection or compression" ([A63B 37/0034](#), [A63B 37/0046](#), [A63B 37/0065](#), [A63B 37/0087](#)). These features are, therefore, to be understood as "Method for Manufacturing", for which the correct subgroup is [A63B 45/00](#)
- [A63B 45/02](#): Methods or apparatus for marking golf balls. It usually goes with [A63B 37/0022](#) (either as "Invention" or "Additional" information) if they describe the mark or it appears in the drawings.
- A circular dimple is something standard -> Do not classify this feature in any of [A63B 37/0007](#) - [A63B 37/0011](#).
- Interpret [A63B 37/002](#) (i.e. "Specified dimple diameter") as "Specified dimple diameter, or length of their main axis" instead. Sometimes, dimples may have various shapes like polygonal or elliptical: in such cases perimeters, lengths, widths, major and minor axis lengths are given.
- Patents with specific drawings of one or several dimples (cross section) -> [A63B 37/0012](#).
- If some parameters (depth, diameter) appear in drawings, accurate figures are likely to be found in the text (see [A63B 37/0019](#), [A63B 37/002](#)):
- Drawings with various dimples with and without sub-dimples -> Classify simultaneously as [A63B 37/0012](#) and [A63B 37/0015](#);
- When the shape of the dimple is not clear, not important in that document, etc. -> Classify as "Additional Information" [A63B 37/0012](#).

"Volume Ratio": Classified for the time being in [A63B 37/0016](#) and [A63B 37/0017](#).

Dimple coverage (%) = Occupation ratio -> [A63B 37/0021](#).

Compression ([A63B 37/0034](#), [A63B 37/0046](#), [A63B 37/0065](#), [A63B 37/0087](#)): it can be "PGA compression", "Atti compression", "Riehle compression" or "Load/Deflection tests".

PGA Compression = Atti Compression: A piston whose travel path is fixed compresses the ball against a spring and the spring deflection is then measured.

Riehle Compression: It measures the deformation of ball under a fixed load of 90.9 kg.

Load/Deflection tests: Same as "Riehle Compression" but with a plurality of possible loads.

Synonyms and Keywords

In patent documents, the following words/expressions are often used with the meaning indicated:

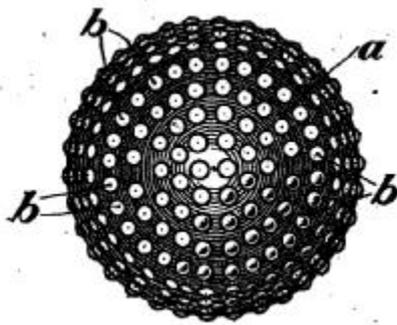
Outer Cover	used for Cover
Shell	an Intermediate layer
Inner Core, Center, Centre	used for Core

A63B 37/0005

{Protrusions}

Definition statement

This place covers:



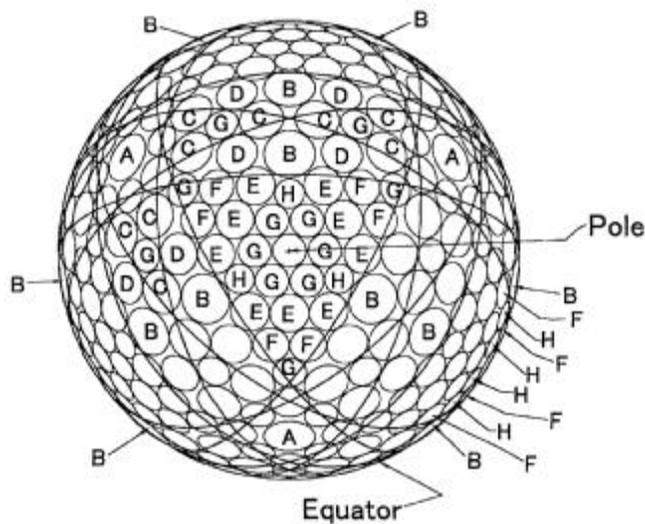
A63B 37/0006

{Arrangement or layout of dimples}

Definition statement

This place covers:

Features on the outer surface as shown in the following drawing:



References

Informative references

Attention is drawn to the following places, which may be of interest for search:

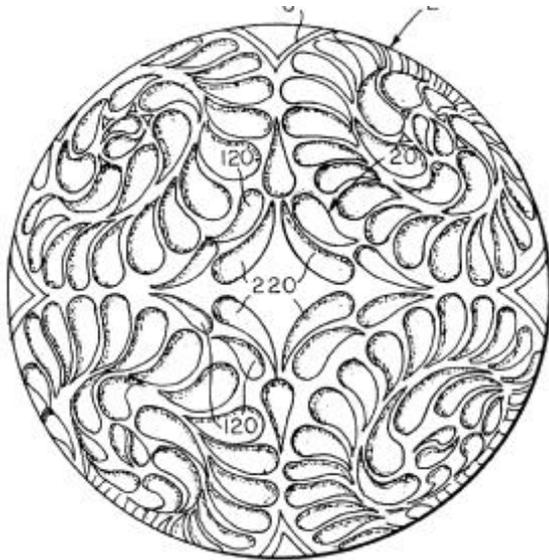
Computer-aided design	G06F 30/00
Finite element generation, e.g. wire-frame surface description, tessellation	G06T 17/20

A63B 37/0007

{Non-circular dimples}

Definition statement

This place covers:

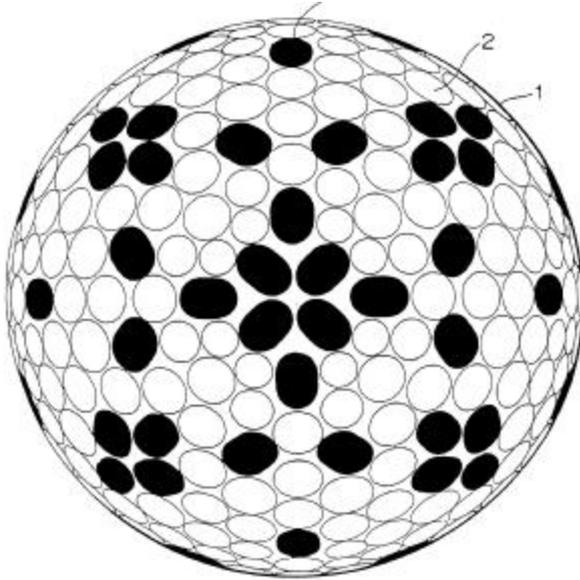


A63B 37/0008

{Elliptical}

Definition statement

This place covers:

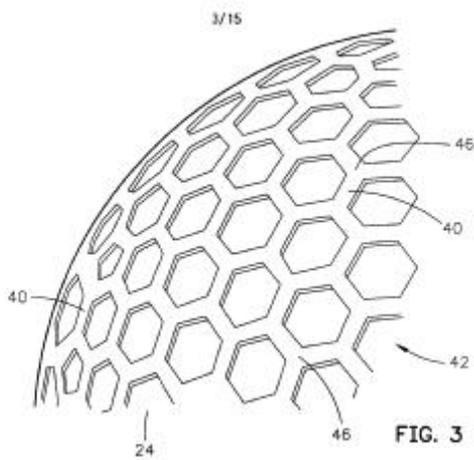


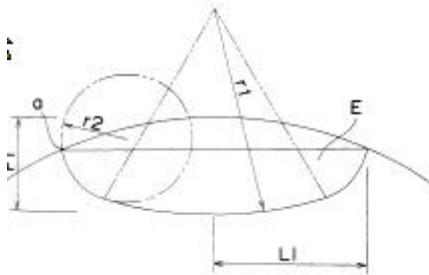
A63B 37/0009

{Polygonal}

Definition statement

This place covers:



A63B 37/0012**{Dimple profile, i.e. cross-sectional view}****Definition statement***This place covers:***A63B 37/0022****{Coatings, e.g. paint films; Markings}****Definition statement***This place covers:*

Varnish, paint etc. any thin layer coating the cover. Therefore, this encompasses only the coating and/or markings.

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Methods for marking	A63B 45/02
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A63B 37/0023**{Covers}****Definition statement***This place covers:*

Used only for the Cover.

A63B 37/0024**{Materials other than ionomers or polyurethane}****Definition statement***This place covers:*

"Special materials", meaning any materials other than those which are normally used for covers or cores. (Poly)urethanes and ionomers are all normally used in covers, thus not "special", unless it is referred to a very specific unusual type of ionomer or polyurethane.

Any material which makes the cover be translucent is considered "special" and, thus, classified here.

A63B 37/0039**{characterised by the material}****Definition statement***This place covers:*

"Special materials" means any materials other than those which are normally used for covers or cores. (Poly)butadiene, (Poly)urethanes, ionomers are all normally used, thus not "special", unless the material is a very specific and unusual type of (poly)butadiene, (poly)urethane or ionomer.

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Apparatus or methods for marking balls	A63B 45/02
--	----------------------------

A63B 37/005**{Cores}****Definition statement***This place covers:*

Used only for the Core.

A63B 37/0077**{Physical properties}****Special rules of classification**

Every subgroup of [A63B 37/0077](#) defining a property for which there is no specific subgroup defining the distribution of such property amongst the several layers of a golf ball is also used for classifying such distribution.

The physical properties of subassemblies encompassing simultaneously different layers of a golf ball are to be classified as properties of the golf ball as a whole; e.g. the "compression of a golf ball subassembly consisting of the centre and the intermediate layer has a compression of 50 or less" is classified as [A63B 37/0087](#).

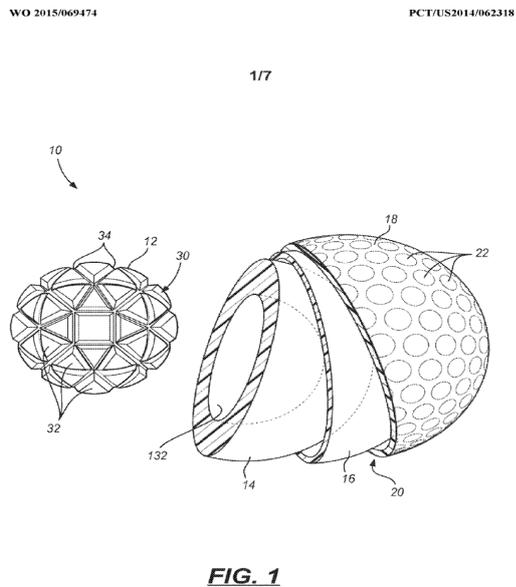
A63B 37/0097

{Layers interlocking by means of protrusions or inserts, lattices or the like}

Definition statement

This place covers:

The following images that show balls with layers that are interlocked by protrusions, inserts or lattices.



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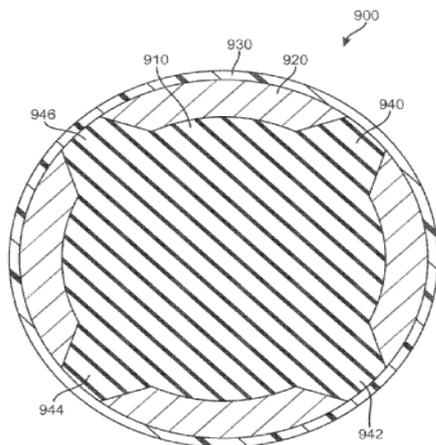


Fig. 1

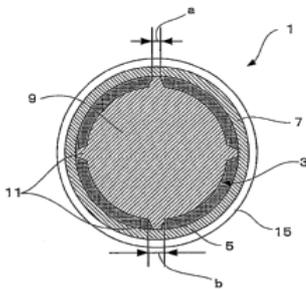
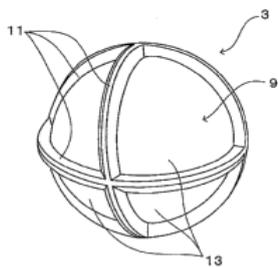


Fig. 2



A63B 37/02

Special cores {(balls with finger holes [A63B 37/0001](#), golf ball cores [A63B 37/005](#)}

References

Limiting references

This place does not cover:

Balls with finger holes, e.g. for bowling	A63B 37/0001
Cores of golf balls	A63B 37/005

A63B 37/10

with eccentric centre of gravity

References

Limiting references

This place does not cover:

Balls with finger holes, e.g. for bowling	A63B 37/0001
Golf balls	A63B 37/0003

Informative references

Attention is drawn to the following places, which may be of interest for search:

(non-solid) balls with an eccentric centre of gravity; with mechanism for changing the centre of gravity	A63B 43/04
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A63B 37/12

Special coverings {, i.e. outer layer material (balls with finger holes [A63B 37/0001](#), golf ball covers [A63B 37/0023](#))}

References

Limiting references

This place does not cover:

Balls with finger holes, e.g. for bowling	A63B 37/0001
Golf ball covers	A63B 37/0023

Informative references

Attention is drawn to the following places, which may be of interest for search:

Golf balls	A63B 37/0003
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A63B 37/14

Special surfaces {([A63B 37/0004](#) takes precedence)}

References

Limiting references

This place does not cover:

Surface depressions or protrusions on golf balls	A63B 37/0004
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Golf ball covers	A63B 37/0023
Stitchings	A63B 2037/125

A63B 39/00

Hollow non-inflatable balls {, i.e. having no valves (rigid balls [A63B 37/00](#))}

References

Limiting references

This place does not cover:

Rigid hollow balls	A63B 37/00
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Special rules of classification

Hollow rigid balls are classified in [A63B 37/0098](#)

A63B 39/025**{using containers with pressurising means for balls not in use}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Packages under vacuum or pressure, or special atmospheres	B65D 81/20
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A63B 39/06**Special coverings****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Computer-aided design	G06F 30/00
Finite element generation, e.g. wire-frame surface description, tessellation	G06T 17/20

A63B 41/00**Hollow inflatable balls****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Inflatable chairs	A47C 4/54
Connecting valves to inflatable elastic bodies	B60C 29/00
Valves, e.g. self-closing valves	F16K

A63B 41/08**Ball covers; Closures therefor****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Computer-aided design	G06F 30/00
Finite element generation, e.g. wire-frame surface description or tessellation	G06T 17/20

A63B 41/12

Tools or devices for blowing up or closing balls {(for pricking-balls [A63B 39/04](#))}

References**Limiting references**

This place does not cover:

Tools for blowing up pricking-balls	A63B 39/04
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Air pumps per se for blowing up balls	F04
Muscle-powered pumps	F04B 33/00

A63B 43/00

Balls with special arrangements

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Feathered missiles with special functions	A63B 67/197
Playing balls or other moving playing bodies, e.g. pinballs or discs used instead of balls	A63F 7/40

Special rules of classification

Heavy throwing balls, medicine balls and the like are classified in [A63B 65/06](#)

A63B 43/002

{with special configuration, e.g. non-spherical (discs for throwing [A63B 65/10](#))}

References**Limiting references**

This place does not cover:

Discs for throwing	A63B 65/10
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Special rules of classification

American Footballs are to be classified always in [A63B 43/002](#) and [A63B 2243/007](#). For American Footballs lacing system, classify in [A63B 41/085](#).

A63B 43/005**{with adhesive type surfaces, e.g. hook-and-loop type fastener}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

(Sports equipment in general) with adhesive type surfaces, e.g. hook-and-loop fasteners	A63B 2209/10
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A63B 43/007**{Arrangements on balls for connecting lines or cords}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Balls tethered to a line or cord	A63B 69/0079
Tethered playing balls or other tethered playing bodies	A63F 2007/4087

A63B 43/008**{with means for improving visibility, e.g. special markings or colours (illuminating or reflecting means [A63B 43/06](#))}****Definition statement***This place covers:*

Means for improving visibility. Special markings or colours. Also special markings or indices for training purposes.

References**Limiting references***This place does not cover:*

Balls with illuminating or reflecting means	A63B 43/06
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A63B 43/02**with a handle****Special rules of classification**Hopping balls for sitting and bouncing on: [A63B 25/08](#)

A63B 43/04

with an eccentric centre of gravity; with mechanism for changing the centre of gravity (solid balls [A63B 37/10](#))

References**Limiting references**

This place does not cover:

Cores with an eccentric centre of gravity for solid balls	A63B 37/10
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Motorised rolling toys	A63H 33/005
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A63B 43/06

with illuminating devices {; with reflective surfaces}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Other means for improving visibility	A63B 43/008
Exercising or sporting devices provided with means enabling use in the dark	A63B 2225/76 , A63B 2225/74

A63B 45/00

Apparatus or methods for manufacturing balls (working of plastics or substances in a plastic state [B29](#))

References**Limiting references**

This place does not cover:

Working of plastics or substances in a plastic state	B29
Producing hollow plastic balls	B29D 22/00
Producing plain plastic balls	B29D 99/0042

A63B 45/02**Marking of balls****References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

Identification means which can be read by electronic detection means	A63B 2225/15
Printing apparatus	B41F 17/34
Methods of printing	B41M

A63B 47/00**Devices for handling or treating balls {, e.g. for holding or carrying balls}****References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

Arrangements for maintaining ball pressure	A63B 39/02
Fitted on golf bags	A63B 55/20
Holders for golf balls	A63B 57/20
Ball holders combined with racket presses	A63B 60/44
With racket covers or cases	A63B 60/58
Devices for handling or treating for games with feathered missiles, e.g. badminton	A63B 67/18
Sport bags	A45C 2003/007
Machines or devices designed for grinding spherical surfaces or parts of spherical surfaces on work	B24B 11/00

Special rules of classification

Ball holders combined with racket presses are classified both in [A63B 47/00](#) and in [A63B 60/44](#).

A63B 47/002

{Devices for dispensing balls, e.g. from a reservoir (automatic teeing devices [A63B 57/0006](#); devices for projecting balls [A63B 69/40](#))}

References**Limiting references**

This place does not cover:

Automatic teeing devices	A63B 57/0006
Devices for projecting balls	A63B 69/40

Informative references

Attention is drawn to the following places, which may be of interest for search:

Bats or rackets having ball-dispensing means	A63B 60/38
Devices for alarm or indication, e.g. when empty	G07F 9/02

A63B 47/008

{Devices for measuring or verifying ball characteristics}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Measuring or testing in general	G01
Mechanical measuring of sport	G01B 5/0023

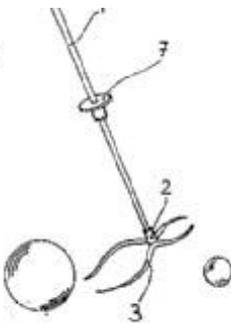
A63B 47/02

for picking-up {or collecting}

Definition statement

This place covers:

The following image shows a device for picking-up or collecting balls.

**References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

Analogous devices for inserting a golf tee with a ball on it	A63B 57/0037
Bats or rackets having ball-dispensing or storing means	A63B 60/38
Targets or goals with ball-returning means	A63B 2063/001

A63B 47/021

{for picking-up automatically, e.g. by apparatus moving over the playing surface}

Definition statement

This place covers:

The following image shows an apparatus for automatic pick-up by moving over a surface.

**References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

Apparatus for gathering together crops spread on the soil, e.g. apples, beets, nuts, potatoes	A01D 51/00
---	----------------------------

A63B 2047/022

{Autonomous machines which find their own way around the playing surface}

Definition statement

This place covers:

Robot-like machines running around collecting balls, able to respond autonomously to obstacles and the like. Not intended to be used for radio-controlled vehicles operated remotely by a person.

A63B 47/025

{Installations continuously collecting balls from the playing areas, e.g. by gravity, with conveyor belts}

References**Limiting references**

This place does not cover:

Golf cups with ejector means	A63B 57/405
Targets or goals with ball returning means	A63B 2063/001

A63B 47/04

for cleaning balls (apparatus for cleaning balls, as accessories for bowling- or table alleys [A63D 5/10](#))

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Apparatus for cleaning balls, as accessories for bowling- or table alleys	A63D 5/10
---	---------------------------

A63B 49/00

Stringed rackets, e.g. for tennis (strings therefor [A63B 51/00](#))

References

Limiting references

This place does not cover:

Strings for stringed rackets	A63B 51/00
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Resonance frequency related characteristics	A63B 60/002
Shaping of plastics for rackets	B29L 2031/5245

Special rules of classification

Aspects of inventions which relate to various types of sports bats, of which rackets are just one example, are to be classified in [A63B 60/00](#), [A63B 2102/00](#) and subgroups, e.g. shock damping means equally applicable to rackets, golf clubs and other sports bats are to be classified in [A63B 60/54](#)

Details of manufacturing methods are additionally classified according to the relevant manufacturing process

A63B 49/02

Frames

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Resonance frequency related characteristics	A63B 60/002
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A63B 49/022**String guides on frames, e.g. grommets****Definition statement**

This place covers:

e.g. grommets.

References**Limiting references**

This place does not cover:

Stringing tennis rackets	A63B 51/00
Devices arranged in or on the racket for adjusting the tension of the strings	A63B 51/12

A63B 49/025**Means on frames for clamping string ends****References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

Using strings with different characteristics on the same frame	A63B 51/001
Using strings with different cross-sections, e.g. different thickness, on the same frame	A63B 51/002
Using strings with different tension on the same frame	A63B 51/004
With non-circular cross-section	A63B 51/026
Devices arranged in or on the racket for adjusting the tension of the string	A63B 51/12

A63B 49/028**Means for achieving greater mobility of the string bed****References****Limiting references**

This place does not cover:

Devices for adjusting the tension of racket strings	A63B 51/12
---	----------------------------

Informative references

Attention is drawn to the following places, which may be of interest for search:

Using strings with different characteristics on the same frame	A63B 51/001
Using strings with different cross-sections, e.g. different thickness, on the same frame	A63B 51/002

Using strings with different tension on the same frame	A63B 51/004
With non-circular cross-section	A63B 51/026

Special rules of classification

[A63B 51/12](#) takes precedence.

A63B 49/03

characterised by throat sections, i.e. sections or elements between the head and the shaft

Definition statement

This place covers:

Throat sections, i.e. not necessarily a separate piece.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

With variable thickness of the head in a direction perpendicular to the string plane	A63B 2049/0211
With variable thickness of the head in the string plane	A63B 2049/0217

A63B 49/032

T-shaped connection elements

Definition statement

This place covers:

e.g. typically found in badminton racquets

A63B 49/038

with head subframes for replacing strings

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Pre-woven string-sets ready for insertion into a frame	A63B 51/01
--	----------------------------

A63B 49/08

with special construction of the handle

Relationships with other classification places

See also [B25G 1/00](#) for handle constructions and [B25G 3/00](#) for attaching handles to implements on a shaft.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Special means for attachment of arms or hands to exercising or sports equipment	A63B 21/4017
Throat sections with two legs having mutually different constructions	A63B 2049/0325
Handles or grips for bats	A63B 60/06

Special rules of classification

Details are also to be classified in subgroups of [A63B 60/06](#) where appropriate

A63B 49/10

made of non-metallic materials, other than wood

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Shafts, e.g. non-metallic shafts, for golf clubs	A63B 53/10
Documents relating to methods of manufacturing composite shafts	B29C
Shaping composites, i.e. plastics material comprising reinforcements, fillers or preformed parts, e.g. inserts	B29C 70/00
Layered products characterised by the non-homogeneity or physical structure, i.e. comprising a fibrous, filamentary, particulate or foam layer; Layered products characterised by having a layer differing constitutionally or physically in different parts	B32B 5/00
Manufacture of articles or shaped materials containing macromolecular substances	C08J 5/00

Special rules of classification

Characteristics of materials are classified in [A63B 2209/00](#) and subgroups, e.g. long, oriented fibres, e.g. wound filaments, woven fabrics, mats [A63B 2209/023](#)

Documents relating to methods of manufacturing composite shafts should also be classified in [B29C](#).

A63B 49/12

made of metal

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Resonance frequency related characteristics	A63B 60/002
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A63B 51/00

Stringing tennis, badminton or like rackets; Strings therefor; Maintenance of racket strings

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

String guides on frames	A63B 49/022
Clamping strings on frames	A63B 49/025

A63B 51/005

Devices for measuring the tension of strings (for controlling the tension during stringing [A63B 51/14](#))

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Devices for controlling the tension during stringing	A63B 51/14 , A63B 51/16
Measuring force, in general	G01L
Apparatus for or methods of measuring the tension in ropes, cables, wires, threads, belts, bands or like flexible members	G01L 5/04

A63B 51/01

Pre-woven string-sets ready for insertion into a frame

Special rules of classification

Head subframes for replacing the stringing [A63B 49/038](#).

A63B 51/02

Strings; String substitutes; Products applied on strings, e.g. for protection against humidity or wear

Definition statement

This place covers:

Strings for sports rackets.

Relationships with other classification places

Methods of making a string for a racquet are usually classified in [D02G 3/444](#)

Yarn or threads for use in sports applications are ALSO classified in [D02G 3/444](#)

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Mechanical methods or apparatus in the manufacture of artificial filaments, threads, fibres, bristles or ribbons	D01D
Yarns or threads for use in sports applications	D02G 3/444
Ropes or cables in general	D07B
Strings for musical instruments	G10D 3/10

A63B 53/00

Golf clubs

Definition statement

This place covers:

Golf clubs considered as a whole, e.g. documents disclosing clubs characterised by the form, balance, Swing-weight or frequency of the overall club. In many cases the documents should also be classified in subgroups for individual characteristics (see Technical Relationships).

Relationships with other classification places

For special materials or manufacturing processes, the specific field concerned should be consulted, e.g. forged product [B21K](#); making sport articles [B21K 17/00](#); casting [B22D](#); casting of metals/special casting [B22D 19/00](#), [B22D 25/00](#); soldering/welding [B23K](#); laser welding [B23K 26/00](#); shaping composites [B29C 70/00](#); sport equipment [B29L 2031/52](#); producing articles from plastics [B29D](#); shaping of plastics for clubs [B29L 2031/5227](#); heat treatment [C21D](#); alloys [C22C 19/055](#); metal matrix composite [C22C 32/00](#); casting metallic material [C23C](#).

Also, classify where appropriate in classes relating to specific parts of the club.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Cleaning or maintenance of golf-clubs, putters, shoes or other golf accessories	A63B 57/60
Bats, rackets or the like, not covered by groups A63B 49/00 - A63B 57/00	A63B 59/00
Devices for measuring, verifying or correcting golf club characteristics	A63B 60/42
Clubs or attachments on clubs for golf training	A63B 69/3632
Clubs or attachments on clubs for putting	A63B 69/3685
Metal forging or pressing of sports articles	B21K 17/00
Shaping of plastics for clubs	B29L 2031/5227

Special rules of classification

Details are also to be classified in subgroups of [A63B 60/00](#) and [A63B 2102/00](#), where appropriate.

Details of manufacturing methods are additionally classified according to the relevant manufacturing process.

A63B 53/005

{Club sets}

Definition statement

This place covers:

Group relating to sets of golf clubs, i.e. golf clubs related by a common characteristic throughout the series, e.g. length, swingweight, resonant frequency; the characteristic may be constant or progressive throughout the set.

A63B 53/02

Joint structures between the head and the shaft

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

General aspects: of joining tubular articles; of joining long products; of joining single elements to tubular articles; of hollow articles or bars; of joining several hollow-preforms to form hollow or tubular articles	B29C 66/50
---	----------------------------

A63B 53/021

{the shaft axis being forwardly offset relative to the striking face of the head}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Handle for bats, in general, whose axis is different from the main axis of the bat	A63B 60/34
--	----------------------------

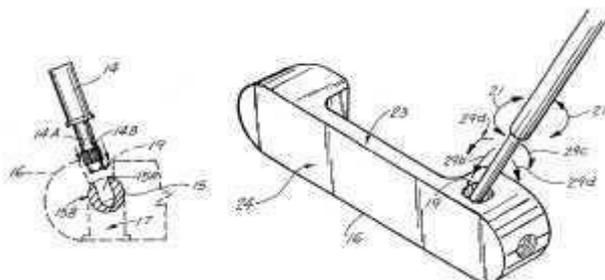
A63B 53/023

{adjustable angular orientation}

Definition statement

This place covers:

Golf clubs in which the angular orientation of the shaft relative to the head can be adjusted (see image below).



References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Substantially flexible or hinged shafts	A63B 60/0081
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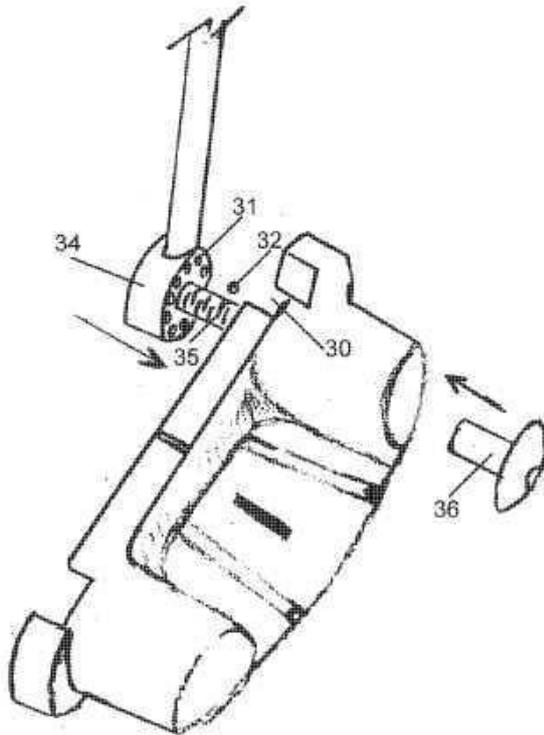
A63B 53/025

{lie angle only, i.e. relative angular adjustment between the shaft and the club head about an axis parallel to the intended line of play when the club is in its normal address position}

Definition statement

This place covers:

Golf clubs in which the lie angle of the shaft relative to the head can be adjusted (see image below).



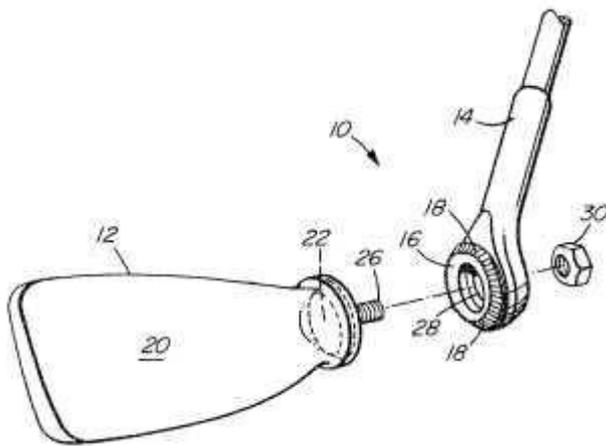
A63B 53/026

{loft angle only, i.e. relative angular adjustment between the shaft and the club head about a horizontal axis perpendicular to the intended line of play when the club is in its normal address position}

Definition statement

This place covers:

Golf clubs in which the loft angle of the shaft relative to the head can be adjusted (see image below).



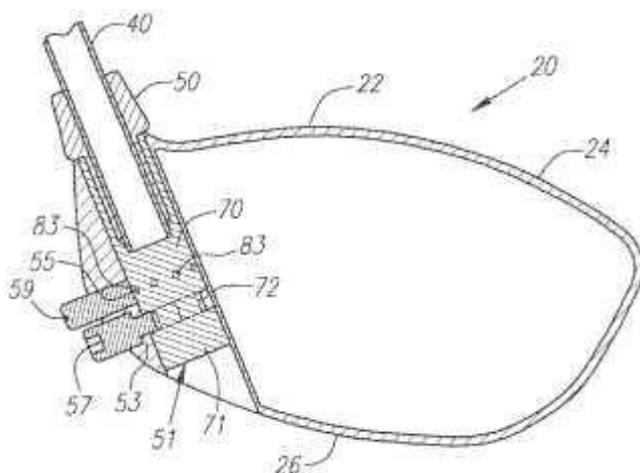
A63B 53/027

{about the longitudinal axis of the shaft only}

Definition statement

This place covers:

Golf clubs in which the shaft can be adjusted about its longitudinal axis relative to the head (see image below).



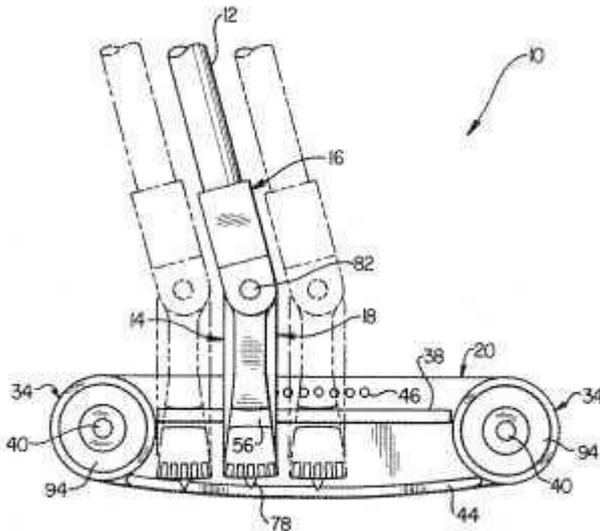
A63B 53/028

{with a range of alternative attachment points for the shaft}

Definition statement

This place covers:

Golf clubs in which the shaft can be attached to the head at any of a range of alternative attachment points (see image below).



A63B 53/04

Heads

Special rules of classification

Subgroup [A63B 53/04](#) is only to be used in case that none of its dependent lower subgroups is applicable; e.g. a document disclosing a driver but where the technology can also be used in iron clubs and putter should not be classified in [A63B 53/04](#), but rather in [A63B 53/0466](#) as Invention, [A63B 53/047](#) and [A63B 53/0487](#) as Additional.

Multiple entry classification is used, i.e. documents are classified in each subgroup that is applicable.

Club heads with the following features are additionally classified as follows:

- Sets of golf clubs, i.e. in which the heads are related throughout the set by a constant or progressive characteristic, in [A63B 53/005](#);
- Club heads with a face insert in [A63B 53/0416](#);
- Special sole configurations in [A63B 53/0433](#);
- Visual indicators for aligning the golf club in [A63B 53/0441](#);
- Heads with added weights, e.g. changeable, replaceable, in [A63B 2053/0491](#); [A63B 60/02](#)
- Materials in [A63B 2209/00](#) and subgroups.

Documents relating to woods must be classified in [A63B 53/0466](#).

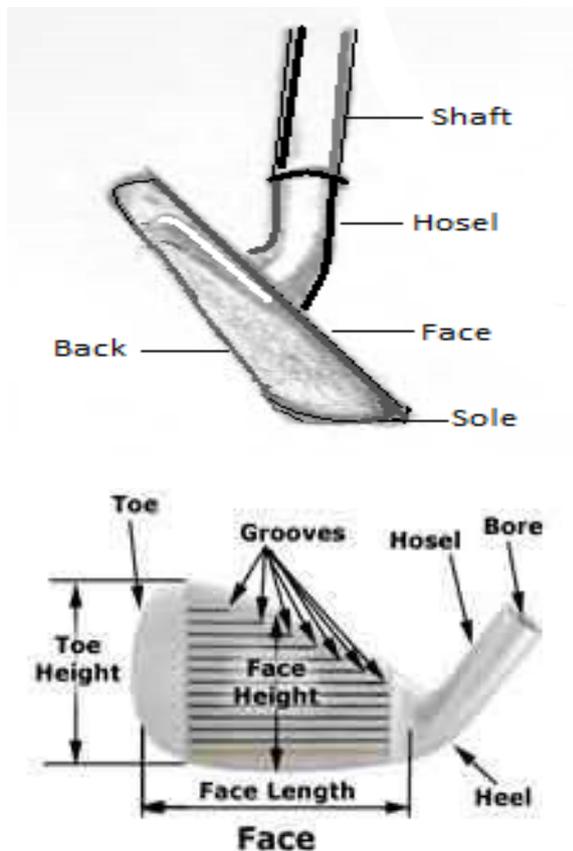
Documents relating to irons must be classified in [A63B 53/047](#).

Putter heads are classified in [A63B 53/0487](#).

Adjustable heads are classified in [A63B 53/06](#), [A63B 60/00](#), [A63B 60/46](#).

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:



A63B 53/0416

{Heads having an impact surface provided by a face insert}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Striking surfaces, in general, coated with high-friction abrasive material	A63B 60/004
--	-----------------------------

A63B 53/0433

{with special sole configurations}

Definition statement

This place covers:

A special configuration of the portion of the club head that normally touches the ground; this can be on the external side or on the internal side of this portion, e.g. a difference in thickness, ribs or even a lower portion that usually should contact the ground but which is designed not to touch the ground.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Strengthening ribs	A63B 53/045
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A63B 53/0437

{with special crown configurations}

Special rules of classification

In general, only wood clubs are regarded as having a crown. However, if in an iron club or a putter, the invention lies in the top portion of the club head, and this subgroup should be used.

[A63B 53/0441](#) is the relevant group, if the effect is only a visual indication.

A63B 53/0441

{with visual indicators for aligning the golf club}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Heads with special crown configurations	A63B 53/0437
Aiming or aligning devices for training purposes, for woods and irons; for putters	A63B 69/3632 , A63B 69/3685

Special rules of classification

Considering that almost all putter heads and many woods have some form of visual indicator for aligning the golf club, this class is only given to those documents which describe details of the visual indicator, or in which the visual indicator differs from a standard marking.

A63B 53/0445

{Details of grooves or the like on the impact surface}

Definition statement

This place covers:

Details of the surface of the striking face, e.g. special groove features, other protrusions or indentations.

Special rules of classification

Note that with the exception of putters, almost all golf clubs have a grooved striking face. This subgroup is only for golf clubs in which the surface is specified in detail.

A63B 53/045

{Strengthening ribs}

Special rules of classification

If the ribs are realised by creating slits or grooves, then only the subgroup [A63B 60/52](#) should be used, unless on the impact surface, where only [A63B 53/0445](#) should be used (see definition).

Bridge-like structures on putters are generally considered normal and should not be classified here unless special.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Rib	An elongated structure that protrudes and which reinforces another surface.
-----	---

A63B 53/0454

{Strengthening ribs on the rear surface of the impact face plate}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Heads with an impact surface provided by a face insert	A63B 53/0416
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A63B 53/0458

{with non-uniform thickness of the impact face plate}

Definition statement

This place covers:

Heads having an impact face plate where the cross-section along at least one axis discloses a non-uniform thickness. This should apply even if a cross-section in another axis might be uniform.

A63B 53/0462

{characterised by tapering thickness of the impact face plate}

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Tapering	A gradually diminishing thickness, without any non-diminishing portions or steps there between, either from one side of the face to another side of the face, or from the centre of the face outwards.
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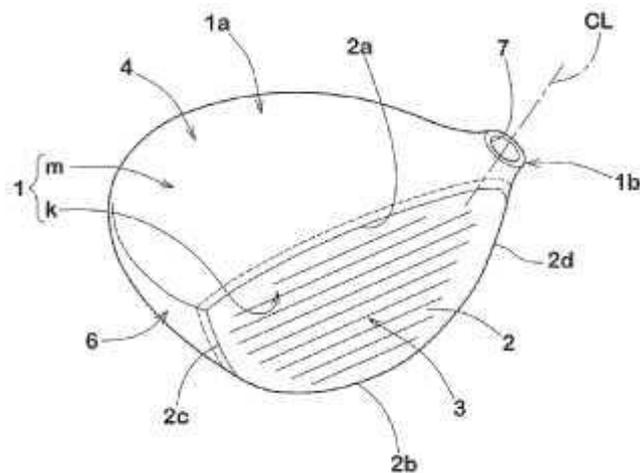
A63B 53/0466

{wood-type}

Definition statement

This place covers:

Traditional wooden golf club heads, and also heads made of other materials but similar in shape to traditional wooden heads, e.g. US2009258727 (see image below). The front-to-rear length of the head is normally greater than the height, providing for a centre of gravity positioned far behind the striking face. These heads are for long-distance shots.



Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

A wood-type golf club head	has a large, bulbous form usually with a convexly curved strike face and is used for hitting the ball long distances. They were traditionally solid wooden heads, but are nowadays usually in the form of hollow shells using strong, lightweight materials, e.g. titanium, fibre composite.
----------------------------	--

Synonyms and Keywords

Hybrid club: a hybrid club combines the playing characteristics of both woods and irons.

Hybrid wood: a club which has a convexly curved strike face like a wood but which is usually lower from crown to sole than a wood and does not extend as far back from the strike face to the rear of the head. It may be solid or hollow.

A63B 53/047

{iron-type}

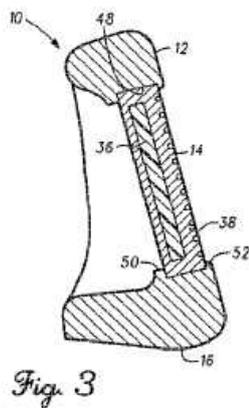
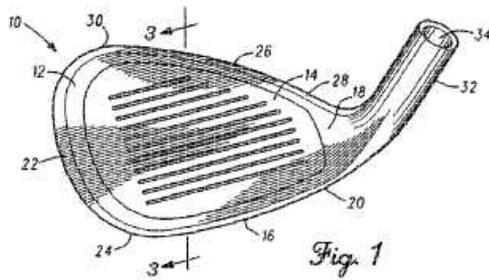
Definition statement

This place covers:

Golf club heads resembling the type that was traditionally made of solid iron or steel, typically with a large, flat, angled striking face, usually having grooves to increase friction with a golf ball, e.g.

Definition statement

GB2451317 (see image below). This group also club heads of similar shape but made of other materials.



Special rules of classification

Irons with a cavity back, i.e. perimeter weighting but with the cavity open towards the rear of the club, should be classified here.

Irons with a hollow space which is completely closed on all sides including towards the rear should be classified in [A63B 53/0475](#).

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Iron -type golf club head	traditionally has a thin, blade-like body, usually with a planar strike face, and is made of iron or steel (forged or cast). Similar-shaped heads made of other materials, e.g. titanium, fibre composite, also fall into this category.
Cavity backs	Many irons feature peripheral weighting on some or all of the perimeter of the rear surface. Irons with weighting around most or all of the perimeter are known as "cavity backs".

A63B 53/0475

{with one or more enclosed cavities}

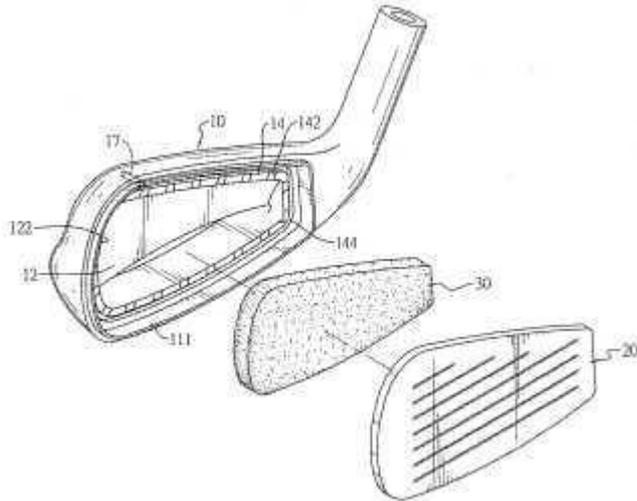
Definition statement

This place covers:

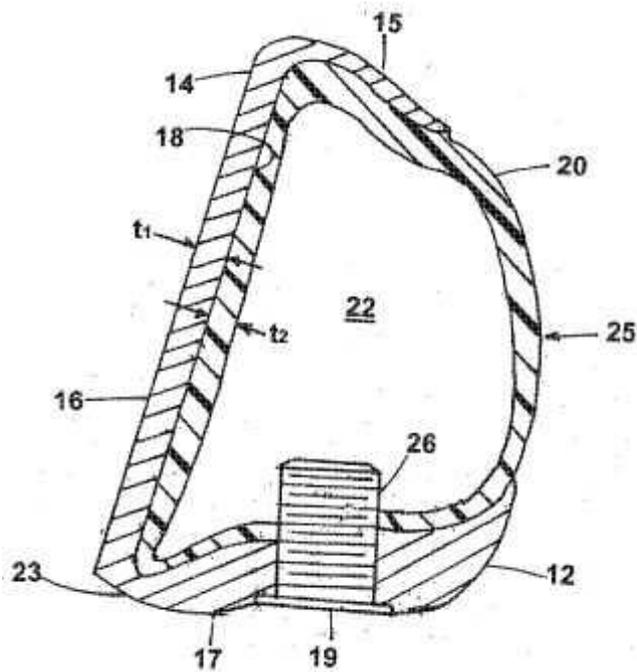
Irons with a hollow space which is completely closed on all sides and towards the rear.

Examples:

US2005209023



US2004266550



References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Hybrid wood	A63B 53/0466
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Special rules of classification

Irons with a cavity back, i.e. perimeter weighting but with the cavity open towards the rear of the club, should be classified in [A63B 53/047](#).

Synonyms and Keywords

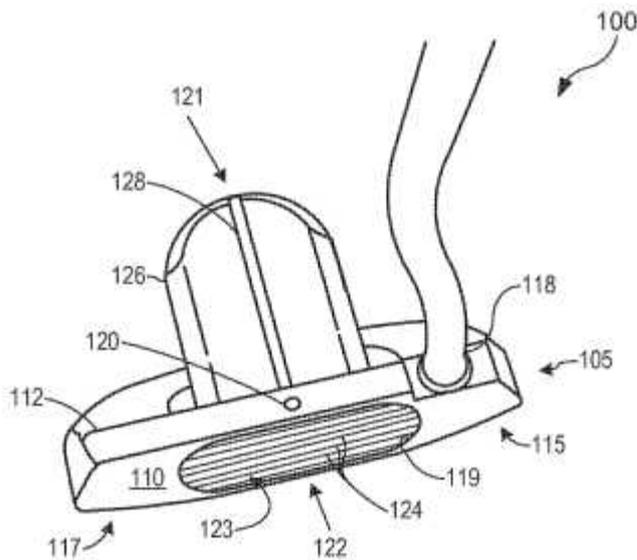
Hybrid club	a hybrid club combines the playing characteristics of both woods and irons.
Hybrid iron	a club which has a flat strike face like a traditional iron but which usually has an enclosed volume behind the strike face, providing a larger moment of inertia and a centre of gravity which is displaced further behind the strike face compared with a traditional iron.

A63B 53/0487

{for putters ([A63B 53/065](#) takes precedence)}

Definition statement

This place covers:



e.g. US2007243950

References

Limiting references

This place does not cover:

Adjustable heads for putters	A63B 53/065
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A63B 2053/0491

{with added weights, e.g. changeable, replaceable}

References

Limiting references

This place does not cover:

Normal golf clubs with externally attached weights, e.g. for warming-up	A63B 69/3638
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A63B 2053/0495

{moving on impact, slidable, spring or otherwise elastically biased}

Definition statement

This place covers:

Added weights that are moving on impact, e.g. sliding or turning.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Weight systems where the position of the weight can be changed, but remains fixed during the stroke	A63B 2053/0491
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Special rules of classification

Weights movable in a slit should also be classified in [A63B 60/52](#).

A63B 53/06

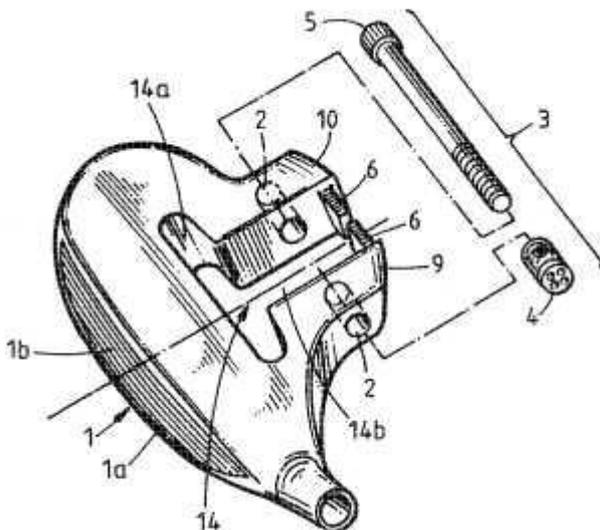
adjustable

Definition statement

This place covers:

Golf club heads with some form of adjustment means for varying the characteristics of the club head, whereby the adjustment does not consist solely of changeable or replaceable added weights, or whereby the adjustment does not take place in the joint structure between the head and the shaft.

The following image shows adjustment means 3 on golf club head 1.



References

Informative references

Attention is drawn to the following places, which may be of interest for search:

When the adjustment takes place in the joint structure between the head and the shaft	A63B 53/022
Devices for measuring, verifying, correcting or customizing characteristics of golf-clubs, bats or rackets	A63B 60/42

Special rules of classification

Golf club heads with added weights, e.g. changeable, replaceable, but not otherwise adjustable, should be classified in [A63B 2053/0491](#) and one or more of [A63B 53/0466](#), [A63B 53/047](#) and [A63B 53/0475](#).

A63B 53/065

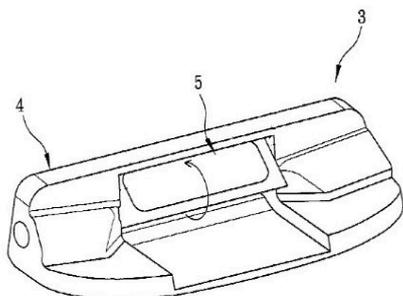
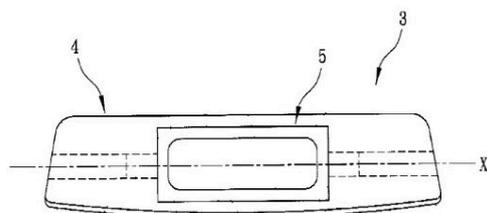
{for putters}

Definition statement

This place covers:

Putter heads with some form of adjustment means for varying the characteristics of the head, whereby the adjustment does not consist solely of changeable or replaceable added weights, or whereby the adjustment does not take place in the joint structure between the head and the shaft.

Image below shows a golf putter head 3, with head body 4 having a rotatable faceplate 3 that rotates about axis (X).



Special rules of classification

Putter heads with added weights, e.g. changeable, replaceable, but not otherwise adjustable, should be classified in [A63B 2053/0491](#), [A63B 60/02](#) and [A63B 53/0487](#).

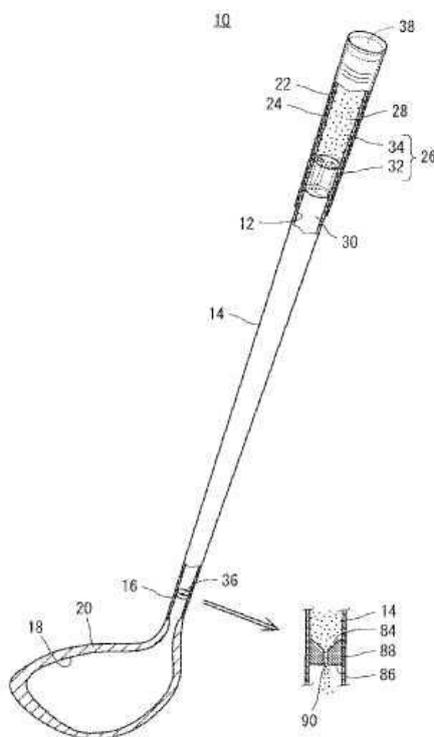
A63B 53/08

with special arrangements for obtaining a variable impact

Definition statement

This place covers:

Golf clubs with some form of adjustment means for varying the characteristics of the club, e.g. the club's balance or centre of gravity. See for example WO2007111272, which displays a changing head weight (see image below).



References

Informative references

Attention is drawn to the following places, which may be of interest for search:

User-manipulated weights; fluids, e.g. water	A63B 21/0602
Resisting devices with rotary bodies; flywheels	A63B 21/225
Striking surfaces coated with high-friction abrasive material	A63B 60/004

A63B 53/10

Non-metallic shafts

Definition statement

This place covers:

Shafts made of composite materials and other non-metallic materials.

Characteristics of a shaft whereby the material is not mentioned and/or is not important for the invention

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Racket frames made of non-metallic materials, other than wood	A63B 49/10
Metallic golf club shafts	A63B 53/12
Resonance frequency related characteristics	A63B 60/002
Substantially flexible shafts, hinged shafts	A63B 60/0081
Telescopic shafts	A63B 60/0085
Weighted handle	A63B 60/24
Means for damping vibration	A63B 60/54
Shaft materials	A63B 2209/00
Size reducing arrangements for stowing or transport	A63B 2210/50
Shaping composites, i.e. plastics material comprising reinforcements, fillers or preformed parts, e.g. inserts	B29C 70/00
Layered products characterised by the non-homogeneity or physical structure, i.e. comprising a fibrous, filamentary, particulate or foam layer; Layered products characterised by having a layer differing constitutionally or physically in different parts	B32B 5/00
Manufacture of articles or shaped materials containing macromolecular substances	C08J 5/00

Special rules of classification

Considering that all golf clubs have a shaft, classifying in this group is not required for documents mentioning a particular type of shaft, if the shaft itself is not important for the invention disclosed, and is well known per se; in such a case, classifying the invention alone in the relevant groups is considered sufficient.

This group is also not required for documents disclosing a golf club, in which the otherwise well-known shaft is chosen to provide a golf club with specific characteristics. For example, a golf club with a carefully selected resonant frequency based on the length and stiffness of the shaft and the mass of the club head should be classified in [A63B 53/00](#) and [A63B 60/002](#), a set of such clubs should also be classified in [A63B 53/005](#).

Documents relating to methods of manufacturing composite shaft should also be classified in [B29C](#).

Characteristics of materials are classified in [A63B 2209/00](#) and subgroups, e.g. long, oriented fibres, e.g. wound filaments, woven fabrics, and mats [A63B 2209/023](#).

A63B 53/12

Metallic shafts

Definition statement

This place covers:

This class is for shafts made of metallic materials.

References

Limiting references

This place does not cover:

Shafts made of a composite material comprising metallic and non-metallic materials	A63B 53/10 , A63B 60/00 , A63B 60/46
--	---

Special rules of classification

This class is not required for documents mentioning a particular type of metallic shaft if the shaft itself is not important to the invention disclosed and is well known per se; in such a case, classifying the invention alone is considered sufficient.

This class is also not required for documents disclosing a golf club in which an otherwise well known metallic shaft is chosen to provide a golf club with specific characteristics. For example, a golf club with a carefully selected resonant frequency based on the length and stiffness of the shaft and the mass of the club head should be classified in [A63B 53/00](#) and [A63B 60/002](#) ; a set of such clubs should also be classified in [A63B 53/005](#)

A63B 53/14

Handles

Definition statement

This place covers:

This class is for documents relating to the area or areas of the golf club gripped by the golfer when playing golf. It is for grips covering a part or parts of the club shaft. It is also for "gripless" shafts, i.e. shafts intended to be grasped directly by the hands of the golfer without an attached grip member.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Attachments of exercising apparatus to the upper limbs of the user	A63B 21/4017
Attachments of exercising apparatus to the hand of the user	A63B 21/4019
Attachments of exercising apparatus to the wrist of the user	A63B 21/4021
Weighted handles for golf clubs, bats, rackets or the like	A63B 60/24
Attaching handles to the implements	B25G 3/00

Special rules of classification

"Gripless" shafts, i.e. shafts intended to be grasped directly by the hands of the golfer without an attached grip member, are to be classified here and also in [A63B 53/10](#), [A63B 60/00](#), [A63B 60/46](#) for non-metallic shafts or [A63B 53/12](#), [A63B 60/00](#), [A63B 60/46](#) for metallic shafts.

Details of the handles are also to be classified in subgroups of [A63B 60/06](#), where appropriate.

A63B 55/00

Bags for golf clubs; Stands for golf clubs for use on the course; Wheeled carriers specially adapted for golf bags

Definition statement

This place covers:

Golf bags, supports for golf bags while golfing, or caddies with wheels for golf bags.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Stands for golf clubs for use on the course	A63B 55/10
Security means for locking golf clubs in the bag	A63B 2055/403
Devices for protection, storage, or transport (e.g. stands or cases) for golf clubs (e.g. head covers and connector means therefor)	A63B 60/62
Sheaths for golf clubs	A63B 60/64
Apparatus or equipment provided with article holders	A63B 2225/68
Flexible luggage; Handbags	A45C 3/00
Sport bags	A45C 2003/007
Sacks or packs carried on the body (harness for carrying a golf bag)	A45F 3/00

A63B 55/10

Stands for golf clubs {, e.g.} for use on the course {; Golf club holders, racks or presses}

Definition statement

This place covers:

Means for carrying one or more golf clubs, or for supporting one or more golf clubs fully or partially above the ground.

References

Limiting references

This place does not cover:

Golf bags	A63B 55/00 , A63B 55/30 , A63B 55/40 , A63B 60/60 , A63B 60/64
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Accessories for stowing or putting away equipment for games played with rackets or bats	A63B 60/60 , A63B 71/0045
Cabinets or racks for storage	A47B , A47B 81/005
Show stands, hangers or shelves for displaying or storing golf clubs, e.g. in a shop	A47F , A47F 7/0028

A63B 55/20

with special receptacles for the balls

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Devices for holding or carrying balls	A63B 47/00
Holders for golf balls when not in bags; stands or carriers for golf clubs	A63B 57/20

A63B 2055/402

{Warning devices for indicating missing golf clubs}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Theft alarms	G08B 13/00
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A63B 2055/403

{Security means for locking golf clubs in the bag}

Definition statement

This place covers:

Means for locking the clubs in the bag not necessarily only for theft prevention (it could also be, e.g. for holding the clubs into position).

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Covers or hoods for golf bags	A63B 55/404
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A63B 55/404**{Covers or hoods for golf bags}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Covers for club heads	A63B 60/62
Flexible luggage; Handbags	A45C 3/00
Sport bags	A45C 2003/007
Protective covers	A45C 13/002

A63B 55/406**{releasably attached}****Definition statement***This place covers:*

This class is for covers which are removable from the golf bag. Such covers or hoods can either cover the opening of the bag or enclose the whole bag, e.g. travel bags or cases for golf bags.

A63B 55/408**{Releasably mounted accessories fitted outside the bag, e.g. straps or holders (A63B 55/20 and A63B 55/50 take precedence)}****References****Limiting references***This place does not cover:*

Golf bags with special or detachable receptacles for the balls	A63B 55/20
Supports for golf bags	A63B 55/50

Informative references*Attention is drawn to the following places, which may be of interest for search:*

Covers or hoods for golf bags	A63B 55/404
Holders of golfing accessories, e.g. of tees, balls, or golf ball position markers	A63B 57/20
Covers for golf club heads	A63B 60/62
Details of carrying straps	A45F 3/00
Supplementary fittings on vehicle exterior for carrying loads, e.g. luggage, sports gear, or the like	B60R 9/00

A63B 55/50**Supports, e.g. with devices for anchoring to the ground****Definition statement***This place covers:*

Support means for golf bags

References**Limiting references***This place does not cover:*

Supports (other than bags) for golf clubs on the golf course	A63B 55/10
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A63B 55/60**Wheeled carriers specially adapted for golf bags****Definition statement***This place covers:*

Golf bags.

References**Informative references***Attention is drawn to the following places, which may be of interest for search:*

Measuring distance travelled	A63B 2220/20
Running gear or propulsion features for wheeled carriers for golf bags	B60
Supplementary fittings on vehicle exterior for carrying loads, e.g. luggage, sports gear or the like	B60R 9/00
Insofar as the features thereof are generic to hand carts	B62B
Trolley adapted to receive an ordinary/unspecified bag	B62B 1/00
Accessories or details for handcarts	B62B 5/00
Trolleys or handcarts for carrying golf articles, e.g. golf bags	B62B 2202/404
Trolleys or handcarts for carrying golf clubs, i.e. not in a golf bag	B62B 2202/406
Foldable or dismountable when not in use	B62B 2205/00
Cycles; with adaptations to be used as golf carts	B62K 2005/002
Measuring distance traversed for golf carts	G01C 22/004

A63B 2055/602**{Means for mounting weather shields, e.g. umbrellas, on caddies}****References****Limiting references***This place does not cover:*

Weather shields for a golf buggy	B60J 7/10
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Informative references*Attention is drawn to the following places, which may be of interest for search:*

Umbrellas	A45B 11/00
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A63B 55/61**{motorised}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Motor vehicles	B62D
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A63B 57/00**Golfing accessories****Definition statement***This place covers:*

This group concerns devices and accessories used in the game of golf.

References**Informative references***Attention is drawn to the following places, which may be of interest for search:*

Golf clubs	A63B 53/00 , A63B 60/00 , A63B 60/46
Bags for golf clubs	A63B 55/00 , A63B 55/30 , A63B 55/40 , A63B 60/60 , A63B 60/64
Training appliances or apparatus for golf	A63B 69/36
Slidably retracted in a housing when not in use	A63B 2210/58
Cigar holders	A24F 13/22

A63B 57/0006

{Automatic teeing devices (devices for automatically dispensing balls in general [A63B 47/002](#))}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Devices for automatically dispensing balls in general	A63B 47/002
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A63B 57/10**Golf tees****References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

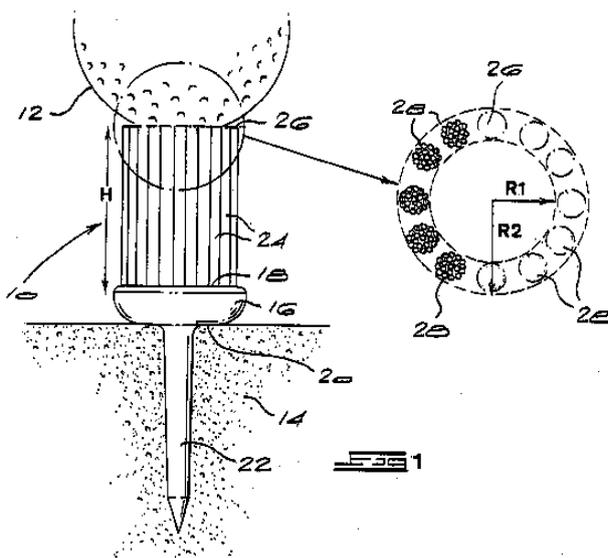
Means for releasably holding a ball in position prior to kicking, striking or the like	A63B 69/0075
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A63B 57/16**Brush-type tees****Definition statement**

This place covers:

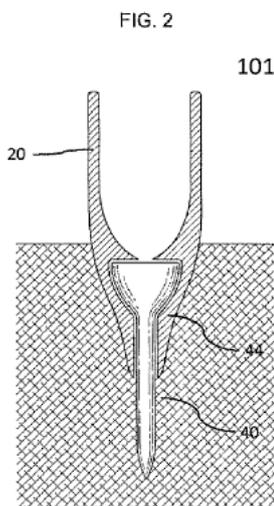
Tees which are conceived to penetrate the ground and where the ball is contacted only by flexible elements, no matter whether they constitute a "real brush" as such or something similar, as exemplified as follows:

With a "real brush":



(WO0045905)

Not necessarily being a "real brush":



(US8167741)

A63B 57/18

with writing means

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Other kind of sport equipment with a writing point	A63B 2225/08
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A63B 57/20

HOLDERS, e.g. of tees or of balls

Definition statement

This place covers:

Holders for golfing accessories (such as, e.g. divot repair tools) when not in use or play.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Devices for handling or treating balls, e.g. for holding balls	A63B 47/00
Ball holders attached to the player's body	A63B 47/001
Receptacles for golf balls fitted on golf bags	A63B 55/20
Supports for holding cigars or cigarettes while smoking	A24F 13/22

A63B 57/203**{Tee holders (to be fitted on golf bags or caddies [A63B 55/408](#))}****Definition statement***This place covers:*

Holders for tees when not in use.

Special rules of classificationWhen these devices are adapted to be releasably mounted on a golf bag, they should also be classified in [A63B 55/408](#)**A63B 57/207****{Golf ball position marker holders}****Definition statement***This place covers:*

Holders for golf ball position markers when not in use.

Special rules of classificationWhen these devices are adapted to be releasably mounted on a golf bag, they should also be classified in [A63B 55/408](#).**A63B 57/30****Markers****Definition statement***This place covers:*

Golf ball position markers.

References**Informative references***Attention is drawn to the following places, which may be of interest for search:*

Holders of golf ball position markers	A63B 57/207
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A63B 57/35**with magnets****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Magnetic materials	A63B 2209/08
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A63B 57/353**{Golf ball position markers}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Magnetic materials	A63B 2209/08
Apparatus or equipment provided with article holders, e.g. keys, wallets, books	A63B 2225/687

A63B 57/40**Golf cups or holes****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Targets or goals for ball games which are variable in size	A63B 2063/002
Means for closing or opening a hole, covering, blocking or uncovering, unblocking a target	A63F 7/3055

Special rules of classification

Additional classifications may be required in [A63B 63/00](#) (targets or goals for ball games) and [A63B 69/36](#) (Training appliances or apparatus for golf) and subclasses.

A63B 57/405**{Cups with automatic ball ejector means}****References****Limiting references***This place does not cover:*

Targets or goals with ball returning means	A63B 2063/001 .
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Informative references*Attention is drawn to the following places, which may be of interest for search:*

Variable in size	A63B 2063/002
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A63B 57/50

specifically adapted for course maintenance

Definition statement

This place covers:

Specific tools for repairing or maintaining the turf where the balls rest, e.g. golf divot tools.

A63B 57/60

Cleaning or maintenance of golf clubs, putters, shoes or other golf accessories ({cleaning balls [A63B 47/04](#);} devices for cleaning handles or grips of golf clubs or putters [A63B 60/36](#))

References

Limiting references

This place does not cover:

Cleaning balls	A63B 47/04
Devices for cleaning handles or grips	A63B 60/36

Informative references

Attention is drawn to the following places, which may be of interest for search:

Devices specially adapted for course maintenance	A63B 57/50
Maintenance or repair accessories, e.g. for courts, greens, sands	A63B 57/60
Brush for cleaning specific unusual places not otherwise covered, e.g. golf clubs	A46B 2200/3073
Cleaning footwear in general	A47L 23/00
Cleaning in general	B08B

A63B 59/00

Bats, rackets, or the like, not covered by groups [A63B 49/00](#) - [A63B 57/00](#)

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Clubs for swinging exercises in general	A63B 15/00
Details or accessories of golf clubs, bats, rackets or the like	A63B 60/00
Bats in general (not only rackets) whose frames disclose slits	A63B 60/52
Bats with a ball tethered thereto	A63B 67/20
Shaping of plastics for clubs	B29L 2031/5227

Special rules of classification

Details of manufacturing methods are additionally classified according to the relevant manufacturing process.

Aspects of inventions which relate to specific types of sports bats should be classified in the relevant group, e.g. rackets in [A63B 49/00](#), golf clubs in [A63B 53/00](#), [A63B 60/00](#), [A63B 60/46](#) specific types of bat see [A63B 59/20](#) - [A63B 59/80](#)

A63B 59/20

having means, e.g. pockets, netting or adhesive type surfaces, for catching or holding a ball, e.g. for lacrosse or pelota

References

Limiting references

This place does not cover:

Juggling games with integral catching arrangements	A63B 67/083
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Hand-held mechanical projectors, e.g. for balls	A63B 65/122
Dog ball launchers	A01K 15/025

A63B 59/30

forming hand-held throwing or catching aids for use with rings, discs, wheels or cylindrical throwing-bodies, or for use with balls having a central bore

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Hand-held mechanical projectors, e.g. for balls	A63B 65/122
Sling weapons	F41B 3/00

A63B 59/42

with solid surfaces

Definition statement

This place covers:

Typical examples, such as paddles for table tennis, frescobol and pickle ball.

A63B 59/48

with perforated surfaces

Definition statement

This place covers:

Every kind of paddle with perforated flat striking surfaces for hitting a ball in the air and which is not covered by other groups.

Typical examples are paddles for paddle tennis, pádel tennis and platform tennis.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Stringed rackets, e.g. for tennis	A63B 49/00
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A63B 59/80

Circular bats or paddles not provided for in groups [A63B 59/20](#) - [A63B 59/70](#)

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Games using a bat or racket with a body, e.g. a ball tethered thereto	A63B 65/122
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A63B 60/00

Details or accessories of golf clubs, bats, rackets or the like

Special rules of classification

Aspects of inventions that relate to specific types of sports bats should be classified in the relevant group, e.g. stringed rackets in [A63B 49/00](#), golf clubs in [A63B 53/00](#), specific types of bats in [A63B 59/20](#) - [A63B 59/80](#).

Details are also to be classified in subgroups of [A63B 2102/00](#) where appropriate.

A63B 60/002

{Resonance frequency related characteristics}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Emitting sound, noise or music	A63B 2071/0625
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A63B 60/006

{Surfaces specially adapted for reducing air resistance}

Definition statement

This place covers:

Details of the surface, e.g. dimpled.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Surfaces reducing air resistance, in general	F15D 1/12
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Special rules of classification

Forms, profiles or through holes for reducing air resistance (i.e. special aerodynamic features that are not related to specific details of the surface) are classified in [A63B 2225/01](#).

A63B 60/0081

{Substantially flexible shafts; Hinged shafts}

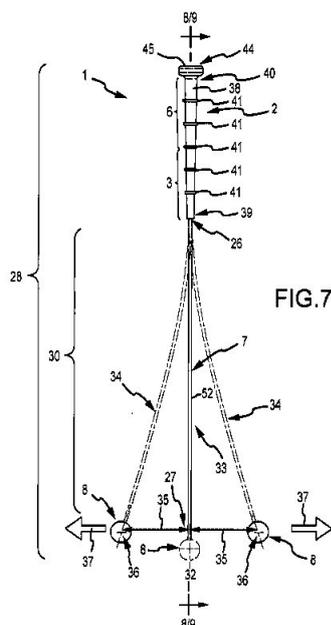
Definition statement

This place covers:

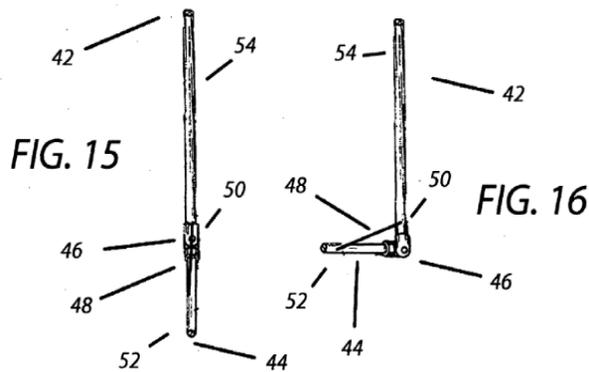
Flexible shafts (with or without a hinge).

Shafts with a hinge (independent of whether the hinged parts are flexible on their own or not).

Shafts with a certain degree of stiffness, independent of whether the flexibility is explicitly mentioned, as both flexibility and stiffness are relative terms that refer to the same property (i.e. a bigger or smaller degree of bendability).



Definition statement



References

Limiting references

This place does not cover:

Allowing adjustable angular orientation of the head of a golf club with respect to the shaft of the golf club	A63B 53/023
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A63B 60/0085

{Telescopic shafts}

Definition statement

This place covers:

Telescopic shafts, handles and grips of rackets, golf clubs and every other kind of sport clubs and bats.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Handles, grips and also shafts (when the shaft is used for gripping the apparatus) adjustable in length and which are not telescopic	A63B 60/28
Walking sticks with shafts of adjustable length, e.g. telescopic shafts	A45B 2009/007
Telescopic ski-sticks varying the length	A63C 11/221
Telescopic or extensible handles for hand implements	B25G 1/04
Telescoping systems	F16B 7/10

A63B 60/02

Ballast means for adjusting the centre of mass ([A63B 60/24](#), [A63B 60/54](#) take precedence)

References

Limiting references

This place does not cover:

Weighted handles	A63B 60/24
Golf clubs, bats, rackets or the like with means for damping vibrations	A63B 60/54

Informative references

Attention is drawn to the following places, which may be of interest for search:

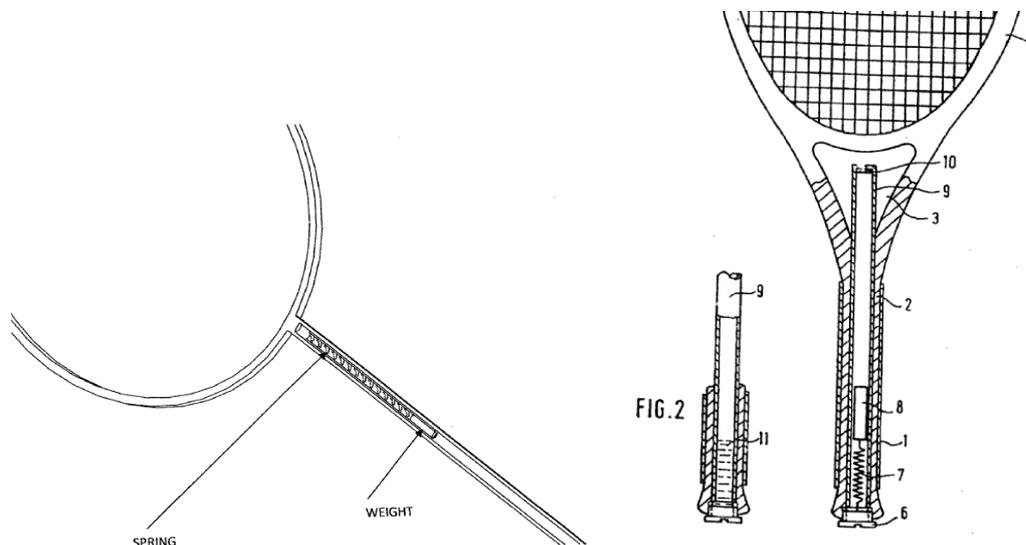
Golf club heads with added weights	A63B 2053/0491 , A63B 2053/0495
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A63B 60/04

Movable ballast means {([A63B 15/005](#) takes precedence)}

Definition statement

This place covers:



References

Limiting references

This place does not cover:

Clubs with a weight movable along the longitudinal axis due to centrifugal forces	A63B 15/005
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Weights set in movement on impact of the ball for damping vibrations	A63B 60/54
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A63B 60/06**Handles****Definition statement**

This place covers:

Handles, grips and also shafts/shanks (when the shaft/shank is used for gripping the apparatus) of rackets, golf clubs and every other kind of sport clubs and bats.

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Attachments of exercising apparatus to the upper limbs of the user	A63B 21/4017
Attachments of exercising apparatus to the hand of the user	A63B 21/4019
Attachments of exercising apparatus to the wrist of the user	A63B 21/4021
Handles for hand implements	B25G 1/00

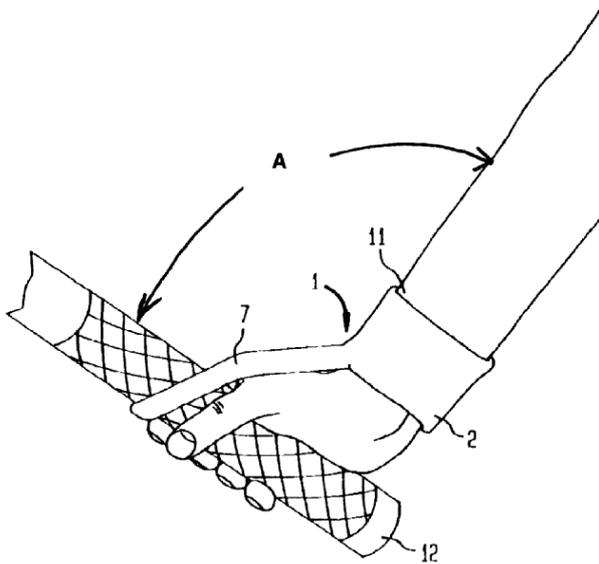
Special rules of classification

Handles for rackets should be classified in [A63B 49/08](#) and also in the subgroups of [A63B 60/06](#) where appropriate.

Handles for golf clubs should be classified in [A63B 53/14](#) and also in the subgroups of [A63B 60/06](#) where appropriate.

Example of document for [A63B 60/06](#) and [A63B 21/4021](#):

FIG. 13



Other types of bat should be classified in the appropriate class according to the type of bat (see [A63B 59/00](#) and subgroups).

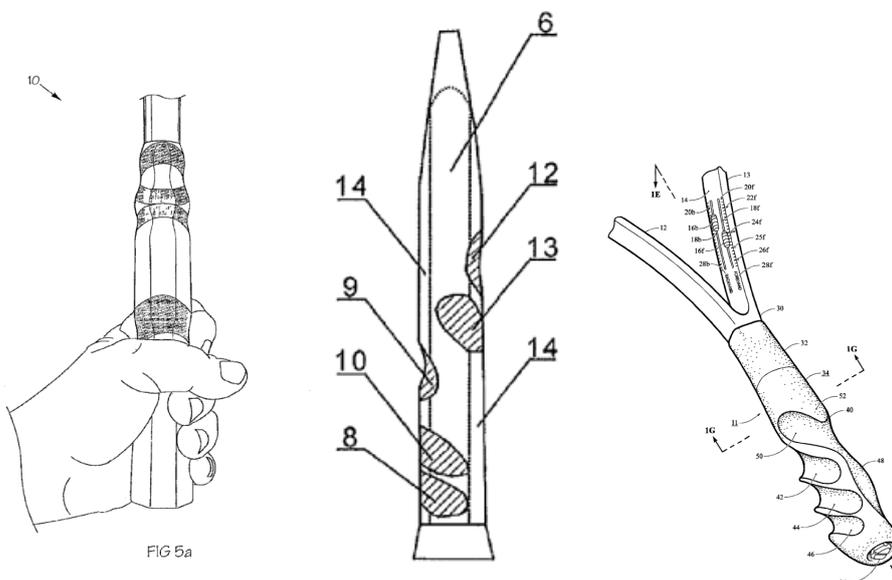
A63B 60/12

contoured according to the anatomy of the user's hand

Definition statement

This place covers:

Handles which are shaped to match the user's hand as shown in the following figures.



References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Tactile feedback	A63B 2071/0655
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Special rules of classification

Handles or grips with corrugated cross sections are additionally classified in [A63B 60/48](#).

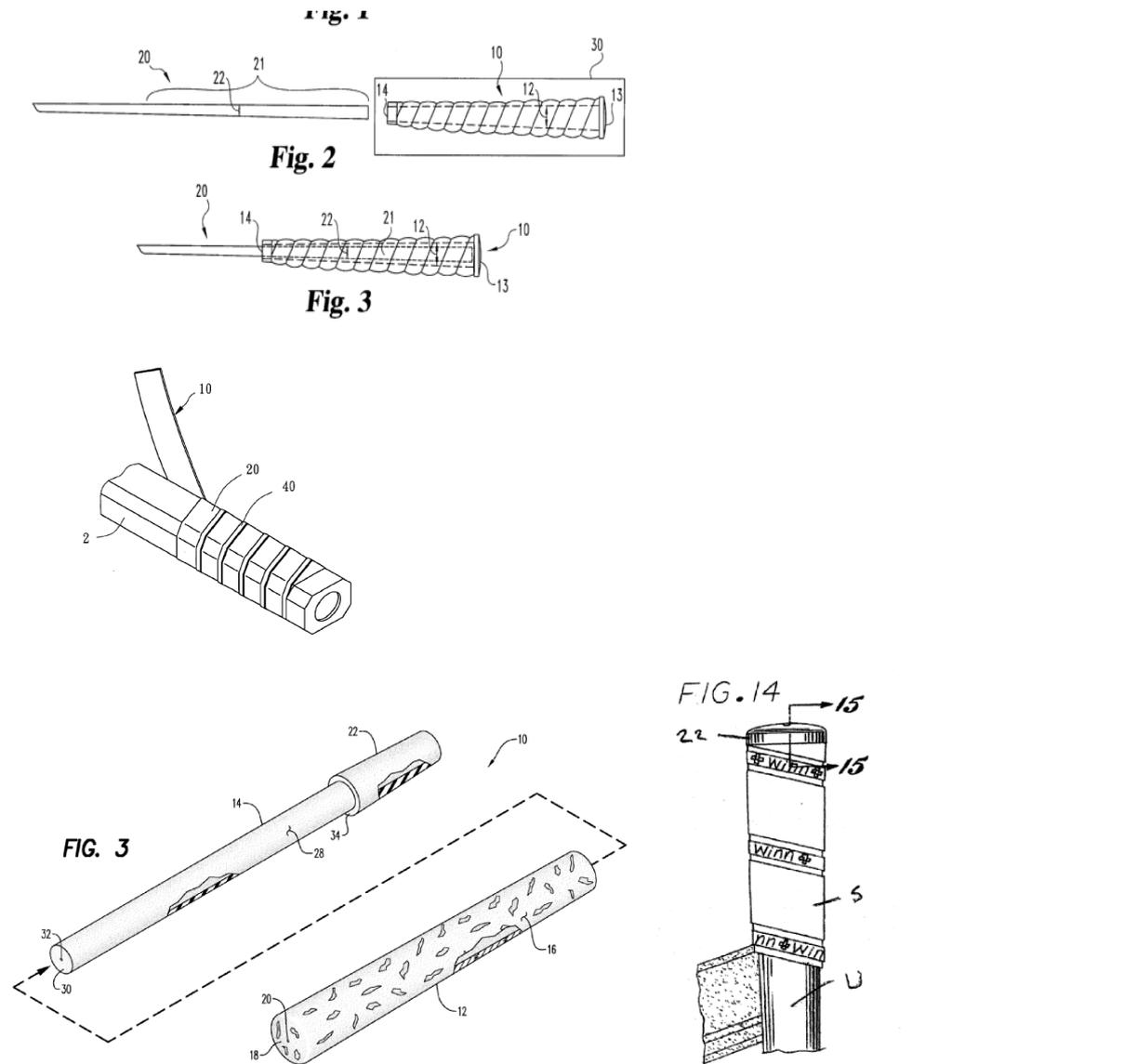
A63B 60/14

Coverings specially adapted for handles, e.g. sleeves or ribbons

Definition statement

This place covers:

Coverings for handles. Note examples of coverings, sleeves or ribbons shown in the following images.



Relationships with other classification places

Layered products in strips: [B32B 7/14](#)

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

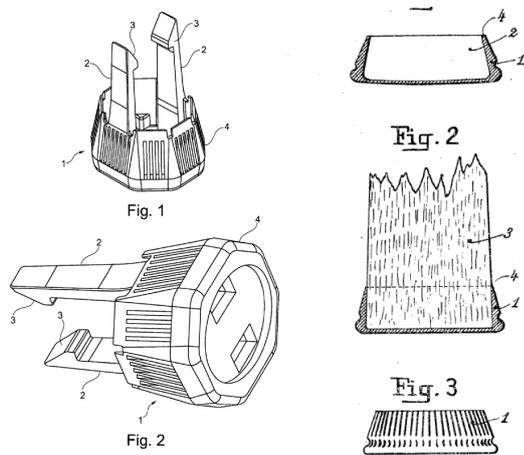
Handle-bar grips	B62K 21/26
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A63B 60/16

Caps; Ferrules

Definition statement

This place covers:

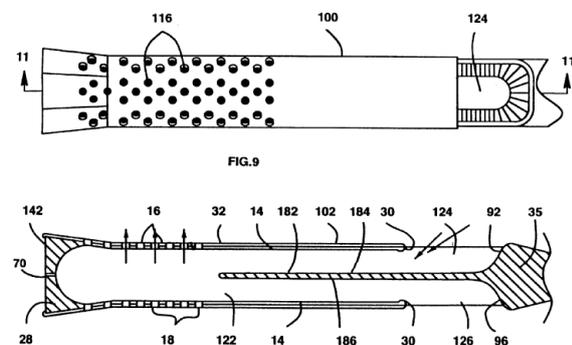


A63B 60/18

with means for cooling, ventilating or sweat-reduction, e.g. holes or powder dispensers

Definition statement

This place covers:



References

Informative references

Attention is drawn to the following places, which may be of interest for search:

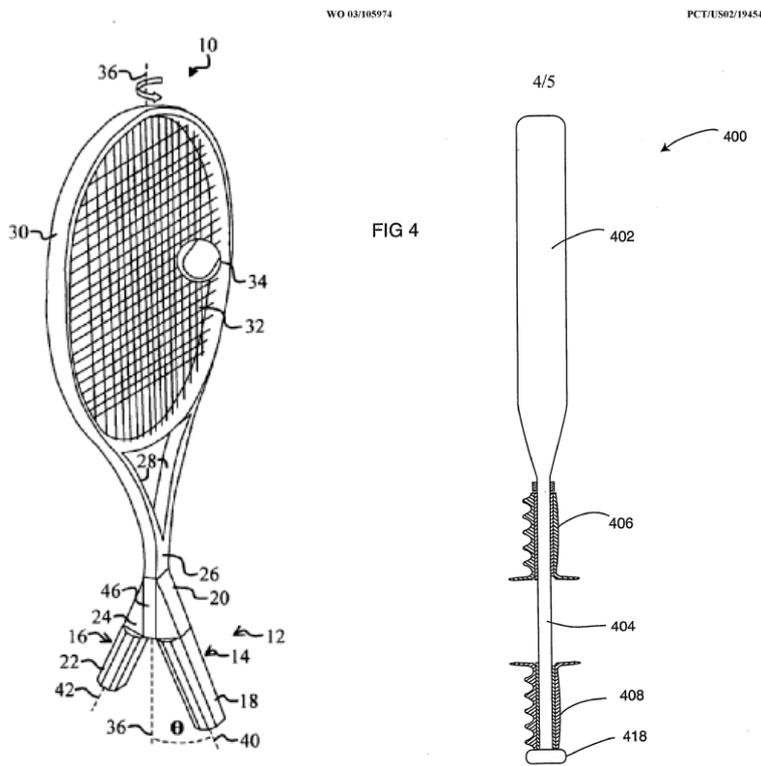
Handles or grips with holes or slits for cooling, ventilating, or sweat-reduction	A63B 60/18
Bats with through holes	A63B 60/50
Rackets with slits, i.e. elongate holes	A63B 60/52

A63B 60/20

with two handgrips

Definition statement

This place covers:



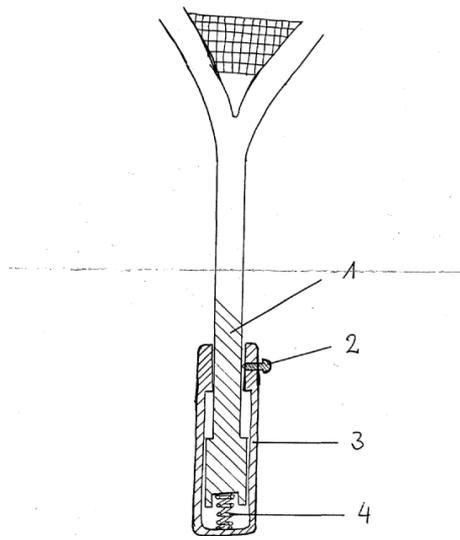
A63B 60/28

with adjustable length

Definition statement

This place covers:

Having handles with changeable length. See example of a handle with changeable length in the following figure.



References

Informative references

Attention is drawn to the following places, which may be of interest for search:

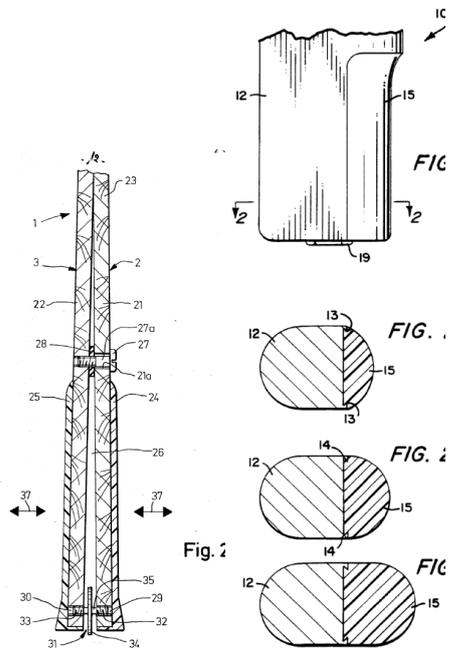
Telescopic shafts	A63B 60/0085
Walking sticks of adjustable length	A45B 2009/007
Telescopic ski-sticks e.g. for varying the length or damping shocks	A63C 11/221

A63B 60/30

with adjustable circumference

Definition statement

This place covers:

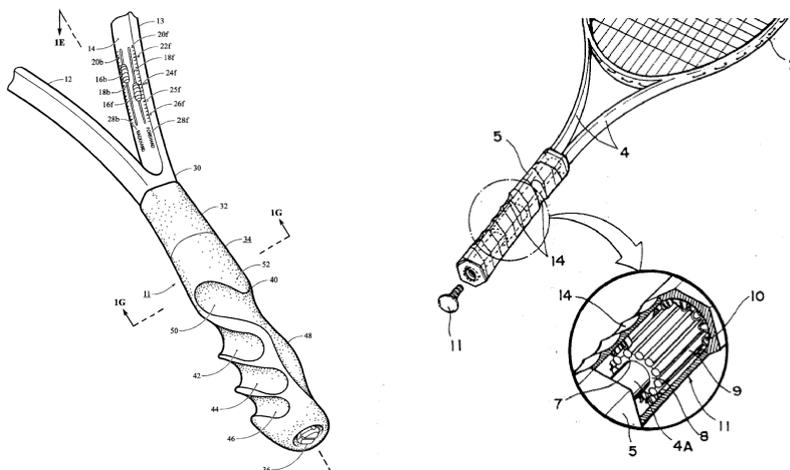


A63B 60/32

with means for changing the angular position of the handle about its longitudinal axis

Definition statement

This place covers:

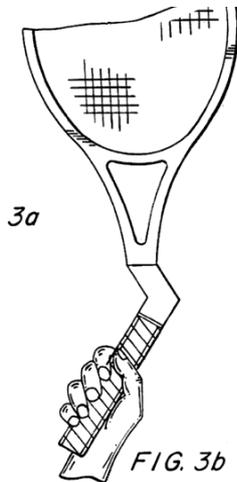


A63B 60/34

with the handle axis different from the main axis of the implement

Definition statement

This place covers:



References

Limiting references

This place does not cover:

The shaft axis of a golf club being forwardly offset relative to the striking face of the head	A63B 53/021
Bats or rackets with holding means provided inside, on the edge or on the rear face of the striking surface	A63B 60/40

Informative references

Attention is drawn to the following places, which may be of interest for search:

Throat sections with two legs having mutually different constructions	A63B 2049/0325
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A63B 60/36

Devices for cleaning handles or grips

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Cleaning in general	B08B
---------------------	----------------------

A63B 60/40

having holding means provided inside, on the edge or on the rear face of the striking surface

References**Limiting references**

This place does not cover:

Bats or rackets having means, e.g. pockets, netting, or adhesive type surfaces, for catching or holding a ball	A63B 59/20
Rackets or the like with flat striking surfaces for hitting a ball in the air, e.g. for table tennis	A63B 59/40

A63B 60/42

Devices for measuring, verifying, correcting or customising the inherent characteristics of golf clubs, bats, rackets or the like, e.g. measuring the maximum torque a batting shaft can withstand

Definition statement

This place covers:

Measuring characteristics of implements; custom fitting bats, rackets or golf clubs

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Clubs having a weight movable along the longitudinal axis of the club due to centrifugal forces	A63B 15/005
Resonance frequency related characteristics	A63B 60/002
Golf club selection aids informing player of his average or expected shot distance for each club	A63B 69/3605
Testing, calibrating or measuring of equipment	A63B 2225/02

Special rules of classification

Bats or rackets for swinging exercises having a weight movable along the longitudinal axis of the club due to centrifugal forces should also be classified in [A63B 15/005](#)

Details relating to measuring of physical parameters relating to a sporting activity should also be classified in [A63B 2220/00](#).

Controlling or monitoring of exercises, sportive games, training or athletic performances should also be classified in [A63B 24/00](#).

A63B 60/44

Presses for stringed rackets

Definition statement

This place covers:

Devices for pressing racket frames in order to keep the frame flat. Some presses have ball holders, but this feature is not essential for a press.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Ball holders in general	A63B 47/00
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A63B 60/46

Measurement devices associated with golf clubs, bats, rackets or the like for measuring physical parameters relating to sporting activity, e.g. baseball bats with impact indicators or bracelets for measuring the golf swing

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Resonance frequency related characteristics	A63B 60/002
Golf club selection aids informing player of his average or expected shot distance for each club	A63B 69/3605
Testing, calibrating or measuring of equipment	A63B 2225/02
Measuring of sport goods in general	G01B 5/0023

Special rules of classification

Bats or rackets for swinging exercises having a weight movable along the longitudinal axis of the club due to centrifugal forces should also be classified in [A63B 15/005](#).

Details relating to measuring of physical parameters relating to a sporting activity should also be classified in [A63B 2220/00](#).

Controlling or monitoring of exercises, sportive games, training or athletic performances should also be classified in [A63B 24/00](#).

A63B 2060/464

{Means for indicating or measuring the pressure on the grip}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Measuring force related parameters	A63B 2220/50
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Sensors arranged on the exercise apparatus or sports implement

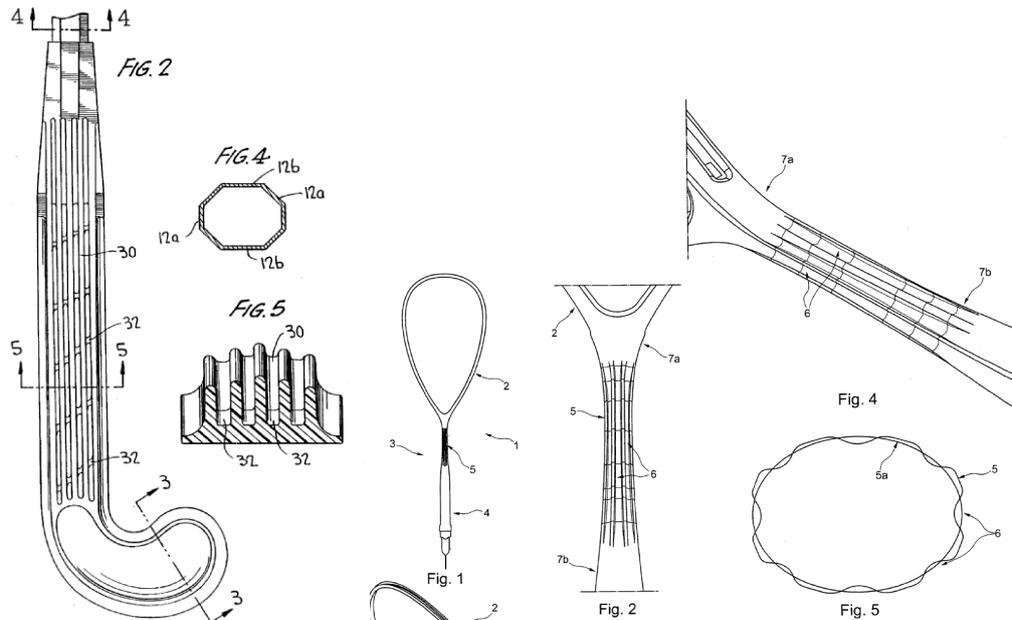
[A63B 2220/833](#)

A63B 60/48

with corrugated cross-section

Definition statement

This place covers:



Special rules of classification

Handles or grips contoured to the anatomy of the user's hand are additionally classified in [A63B 60/12](#).

A63B 60/50

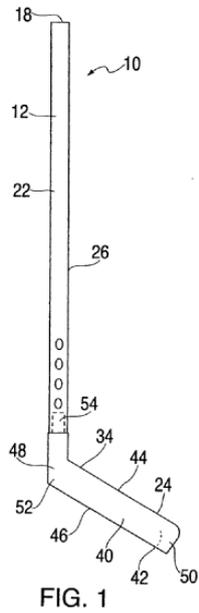
with through-holes ([A63B 60/18](#) takes precedence; for stringing purposes [A63B 49/00](#))

Definition statement

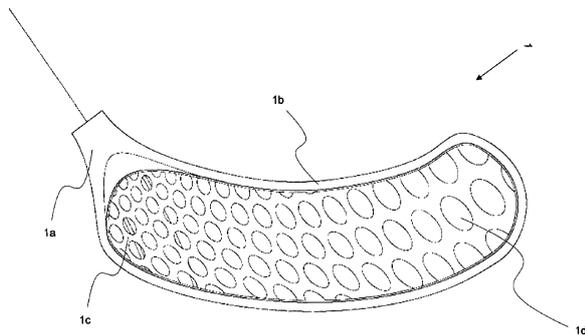
This place covers:

Used for non-elongated holes traversing the solid parts of the bat (can also be the blade, if solid). It is also used for important holes in the bat, even if they do not exactly traverse the bat completely (i.e. "through" has to be understood in a broad way).

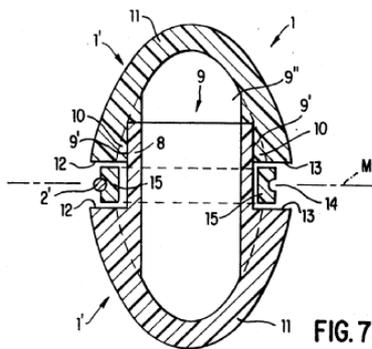
Only used for through holes which have not been subsequently filled-in with another material. However, it is used when only a lid or a cap has been placed on the through hole, subsequently covering it but not completely filling it in.



Example of through holes completely traversing the shaft.



Example of through holes completely traversing a solid blade.



Example of important holes (8, 10) in the frame, not exactly traversing it, but still of an special relevance. US patent 5,232,220.

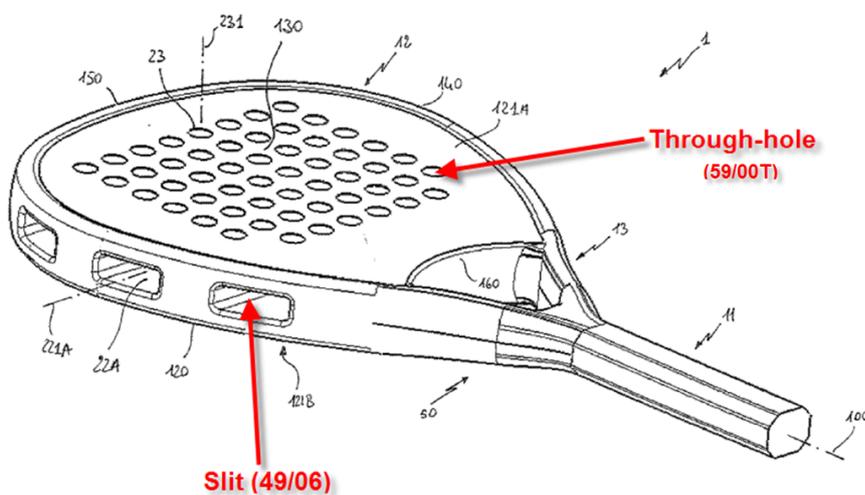
References

Limiting references

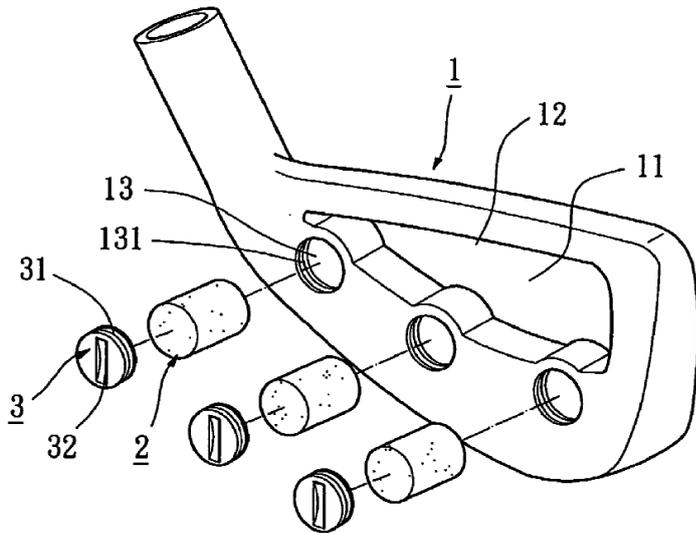
This place does not cover:

String guides on frames	A63B 49/022
Tennis rackets comprising a wooden blade with perforations as a substitute for the strings	A63B 51/045
Through holes that conform normal design features of a golf club head, such as the hole for the insertion of the shaft, enclosed cavities, through holes for inserting weights, etc.	A63B 53/00 and subgroups
Iron-type golf club heads with one or more enclosed cavities	A63B 53/0475
Golf club heads with added weights inserted in through holes	A63B 2053/0491
Through holes whose features, effects or function are to be classified according to the specific scheme for golf club heads	A63B 53/14 and subgroups
Handles or grips with grooves or holes for cooling, ventilating or sweat-reduction (including handles or grips for rackets)	A63B 60/18
Bats with slits (i.e. long narrow cuts or openings which might traverse the frame or not)	A63B 60/52

Example of through hole ([A63B 60/50](#)) vs. slit ([A63B 60/52](#)):



Example of through holes for adding weights to a golf club head ([A63B 2053/0491](#)) and which through holes, therefore, are not classified in [A63B 60/50](#):



A63B 60/52

with slits

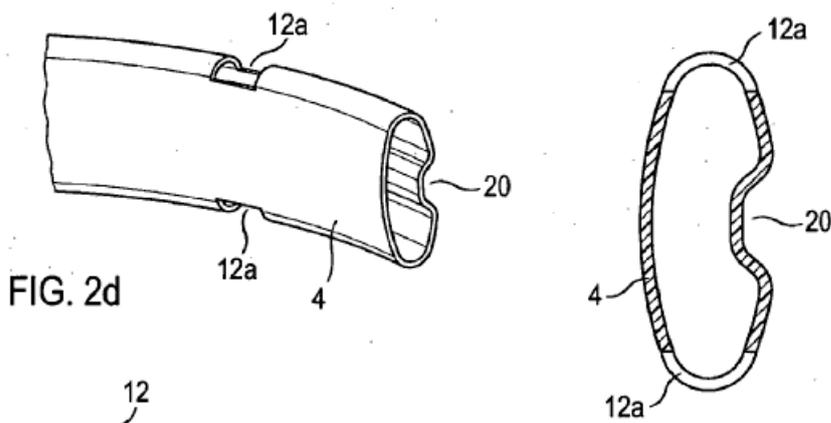
Definition statement

This place covers:

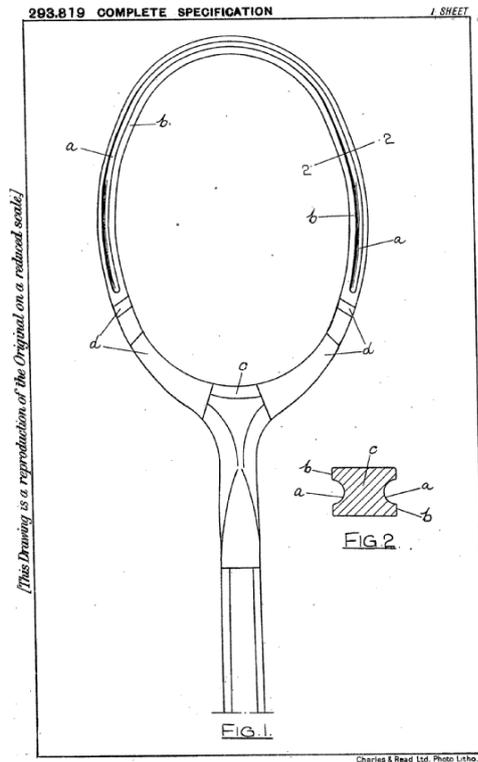
Bat frames with long narrow cuts or openings. They might traverse the frame or not.

It is used for every kind of bat, not only for rackets.

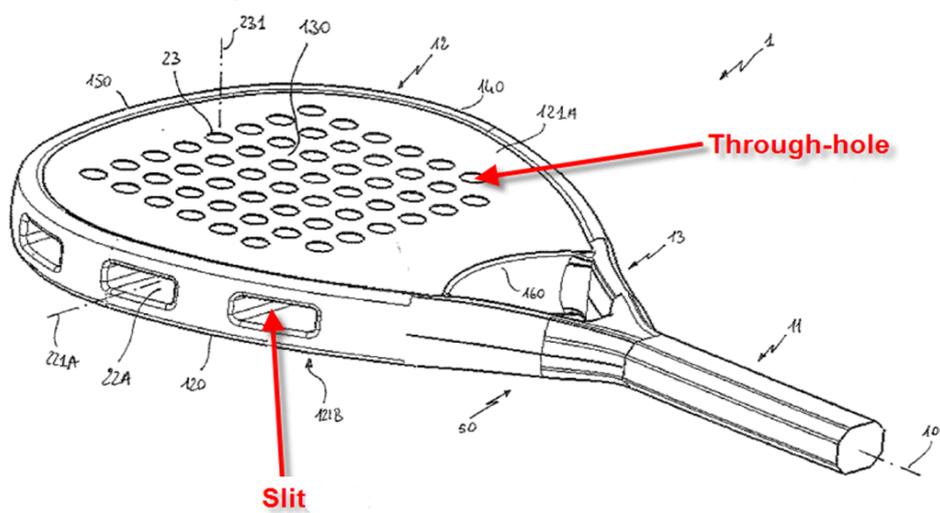
The following image shows an example of a long narrow traversing opening.



The following image is an example of a long narrow cut (i.e. non-traversing),



Example of through hole (A63B 60/50) vs. slit (A63B 60/52)



References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Slits for guiding strings	A63B 49/022
Rackets comprising a wooden blade with perforations as a substitute for the strings	A63B 51/045

Informative references

Slits whose features, effects or function are to be classified according to the specific scheme for golf club heads, or that conform normal design features of a golf club head, such as the grooves on impact surface	A63B 53/14
Bat handles or grips with holes for cooling, ventilating or sweat-reduction	A63B 60/18
Bats with corrugated cross sections (e.g. with a plurality of slits in the longitudinal direction)	A63B 60/48
Bats with through holes (note: holes traversing the solid parts of the bat and which are not slits, i.e. non-elongated)	A63B 60/50

Special rules of classification

Bat handles or grips with holes in the form of slits for cooling, ventilating or sweat-reduction are classified in [A63B 60/18](#)

A63B 60/54**with means for damping vibrations****References****Limiting references**

This place does not cover:

Clubs for swinging exercises having a weight movable along the longitudinal axis of the club due to centrifugal forces	A63B 15/005
Means for damping vibration in general	F16F

A63B 60/56**Devices for protection, storage or transport, e.g. stands or cases****References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

Bags or stands for golf clubs	A63B 55/00 , A63B 55/10
Covers or hoods for golfbags	A63B 55/404
Devices for storing or displaying elongated objects such as fishing rods, guns etc.	A47B 81/005

A63B 60/58**specially adapted for rackets****References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

Ball holders in general	A63B 47/00
Sport bags	A45C 2003/007

A63B 60/62

specially adapted for clubs, e.g. head covers {, connector means therefor}

References**Limiting references**

This place does not cover:

Covers or hoods for golf bags	A63B 55/404
-------------------------------	-----------------------------

A63B 61/00

Tennis nets or accessories for tennis or like games {, e.g. volley-ball (devices for holding or carrying balls [A63B 47/00](#); for table tennis [A63B 67/04](#))}

References**Limiting references**

This place does not cover:

Accessories for stowing or putting sports equipment away	A63B 71/0036 , A63B 60/56
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Devices for holding or carrying balls	A63B 47/00 , A63B 57/20
Accessories for table tennis	A63B 67/04

A63B 61/003

{Nets for tennis or like games or accessories therefor (straining or adjusting devices on the posts [A63B 61/02](#))}

References**Limiting references**

This place does not cover:

Straining or adjusting devices on the posts	A63B 61/02
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Supports for table tennis nets	A63B 67/045
Tennis	A63B 2102/02
Badminton	A63B 2102/04
Table tennis	A63B 2102/16
Volleyball	A63B 2243/0095

Warp knitting processes for the production of fabrics or articles not dependent on the use of particular machines; Fabrics or articles defined by such processes	D04B 21/00
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A63B 61/006

{Accessories for training purposes mounted on the net}

References

Limiting references

This place does not cover:

Other training appliances or apparatus for tennis	A63B 69/38
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A63B 61/02

Posts; Revolvably-mounted posts {; Straining or adjusting devices on the posts, e.g. coin- or time operated}

References

Limiting references

This place does not cover:

Supports, e.g. floor sockets for removable posts or poles	A63B 71/023
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A63B 61/04

Straining or adjusting devices for nets {, e.g. centre strainers, single-double adjusters, net height meters (straining or adjusting devices on the posts [A63B 61/02](#))}

References

Limiting references

This place does not cover:

Straining or adjusting devices on the posts	A63B 61/02
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A63B 63/00

Targets or goals for ball games (golf cups [A63B 57/40](#))

References

Limiting references

This place does not cover:

Golf cups	A63B 57/40
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Controlling or monitoring of exercises, sportive games, training or athletic performances	A63B 24/00
Ball rebound walls	A63B 69/0097
Indicating or scoring devices for games or players, or for other sports activities	A63B 71/06
Targets for projectiles other than balls	A63F 9/0204
Targets for games	A63F 9/0278
Fixing nets to objects	F16G 11/00
Targets for weapons	F41J
Targets; Target stands; Target holders	F41J 1/00
Dartboards	F41J 3/00
Target indicating systems; Target-hit or score detecting systems	F41J 5/00

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Football (unless American football is specified)	Soccer (Association football)
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A63B 63/08

with {substantially} horizontal opening for ball, e.g. for basketball {([A63B 57/40](#), [A63B 63/06](#) take precedence)}

References**Limiting references**

This place does not cover:

Golf cups	A63B 57/40
Moving targets, e.g. moving or revolving on impact	A63B 63/06

A63B 65/00

Implements for throwing (throwing toys [A63H 33/18](#)); Mechanical projectors, e.g. using spring force}

References**Limiting references**

This place does not cover:

Throwing toys	A63H 33/18
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Golf cups with ball ejector means	A63B 57/405
Stationarily-arranged devices for projecting balls	A63B 69/40
Shooting or hurling games	A63F 9/02
Throwing weapons	F41B
Sling weapons	F41B 3/00
Trap machines for trapshooting and clay-pigeon targets	F41J 9/18
Darts	F42B 6/003

A63B 65/02

Spears or the like {; Javelins}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Darts	F42B 6/003
Archery arrows	F42B 6/04

A63B 65/10

Discus discs; Quoits

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Flying disc toys such as frisbees	A63H 33/18
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A63B 65/12

Ball-throwing apparatus with or without catchers {(hand-held throwing or catching aids [A63B 59/20](#)); Mechanical projectors, e.g. using spring force}

References**Limiting references**

This place does not cover:

Sticks for lacrosse, pelota or similar; hand-held throwing or catching aids	A63B 59/20
---	----------------------------

Informative references

Attention is drawn to the following places, which may be of interest for search:

Stationary devices for projecting balls or other bodies	A63B 69/40
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Toys for animals	A01K 15/025
For propelling or projecting the balls in miniature bowling alleys	A63D 3/02
Apparatus for projecting balls for indoor games	A63F 7/24

A63B 65/122

{Hand-held mechanical projectors, e.g. for balls}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Sticks for lacrosse, pelota or similar; hand-held throwing or catching aids	A63B 59/20
Sling weapons	F41B 3/00

A63B 67/002

{Games using balls, not otherwise provided for}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Cooled	A63B 2225/66
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Special rules of classification

Amongst other games, Beer Pong games are classified here but also additionally classified in [A63F 7/0017](#) and [A63F 2250/024](#).

A63B 2067/005

{Games similar to volleyball or basketball and played on trampolines or the like, e.g. "Spaceball" or "Aeroball"}

Special rules of classification

Documents with trampolines are additionally classified in [A63B 5/11](#)

A63B 67/007

{played in water}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Apparatus used in water	A63B 2225/60
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A63B 67/02

Special golf games, e.g. miniature golf {or golf putting games played on putting tracks; putting practice apparatus having an elongated platform as a putting track}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Inclined platforms for practising drives from slopes	A63B 69/3652
Mats for golf practice	A63B 69/3661
Golf courses and golf practising terrains having a plurality of driving areas, fairways, greens.	A63B 69/3691

A63B 2067/025

{with incorporated means acting on the track surface for varying its topography, e.g. slope}

References

Limiting references

This place does not cover:

Slopes or trails for skiing	A63C 19/10
-----------------------------	----------------------------

A63B 67/04

Table games physically beneficial for the human body, modelled on outdoor sports, e.g. table tennis (other table games [A63F](#))

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Apparatus generating unpredictable signals for reaction time training	A63B 69/0053
Tables for table tennis	A47B 25/003
Other table games	A63F

Special rules of classification

Reference [A63F](#) is non-limiting in the [A63B 67/04](#). CPC will be updated once this inconsistency is resolved.

Table games modelled on outdoor sports with ball rebound surfaces other than the horizontal table surface, are to be classified here and also in [A63B 69/0097](#).

A63B 67/045

{Supports for table tennis nets}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Nets for table tennis, i.e. not the support but only the net itself	A63B 61/003
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A63B 67/06

Ring or disc tossing games {, e.g. quoits; Throwing or tossing games, e.g. using balls; Games for manually rolling balls, e.g. marbles}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Adjusting apparatus; Stands for players for bowling alleys	A63D 1/06
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Special rules of classification

This group also covers the game of "Disc golf".

Beer-pong games (also known as "Beirut") are usually classified as follows:

[A63B 67/06](#) – usually when on a table, [A63B 67/066](#) – usually when on the "ground", plus, additionally, [A63F 2250/024](#) and [A63F 7/0017](#).

Other typical symbols that might be used according to the circumstances might be:

- [A63B 63/08](#) (targets with {substantially} horizontal opening for ball)
- [A63B 2210/50](#) (size reducing arrangements for stowing or transport)
- [A63B 2071/0694](#) (visual indication)
- [A63B 2225/66](#) (cooled)
- [A63B 67/04](#) (table games) and/or [A63B 2102/16](#) (table-tennis)
- [F25D 31/008](#) {cooling apparatus for drinking glasses}
- [F25D 2331/809](#) (cooled holders)
- [F25D 2331/812](#) (cooled trays)

A63B 67/08

Juggling or spinning ball games played as games of skill ([A63B 67/16](#) takes precedence)

References

Limiting references

This place does not cover:

Diabolos or similar thrown and caught spinning tops; Throwing and catching devices therefor	A63B 67/16
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Other games using tethered balls	A63B 67/10
Games using a bat or racket with a ball tethered thereto	A63B 67/20

A63B 67/086

{Juggling games using sticks or discs}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Clubs, e.g. for swinging exercises	A63B 15/00
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Special rules of classification

Juggling clubs are classified as follows: [A63B 15/00](#) (invention information) and [A63B 67/086](#) (additional information).

A63B 67/10

Games with thread-suspended or swingably-mounted bodies, e.g. balls, pointed bodies shaped as birds, animals, or the like, for aiming at and hitting targets (games using a bat with a ball tethered thereto [A63B 67/20](#), pin games with tethered balls [A63D 7/00](#)); Games using tethered bodies, e.g. balls, not otherwise provided for}

References**Limiting references**

This place does not cover:

Games using a bat or racket with a body, e.g. a ball tethered thereto	A63B 67/20
Pin games with tethered balls	A63D 7/00

Informative references

Attention is drawn to the following places, which may be of interest for search:

Bats tethered to a line or cord	A63B 69/0079
Indoor games using small tethered balls	A63F 2007/4087
Tethered playing balls or other tethered playing bodies supported on a tethering arm	A63F 2007/4093

A63B 67/14

Curling stone; Shuffleboard; Similar sliding games

Special rules of classification

This group also covers ice hockey pucks, which are classified both in [A63B 67/14](#) and [A63B 69/0026](#).

A63B 67/18

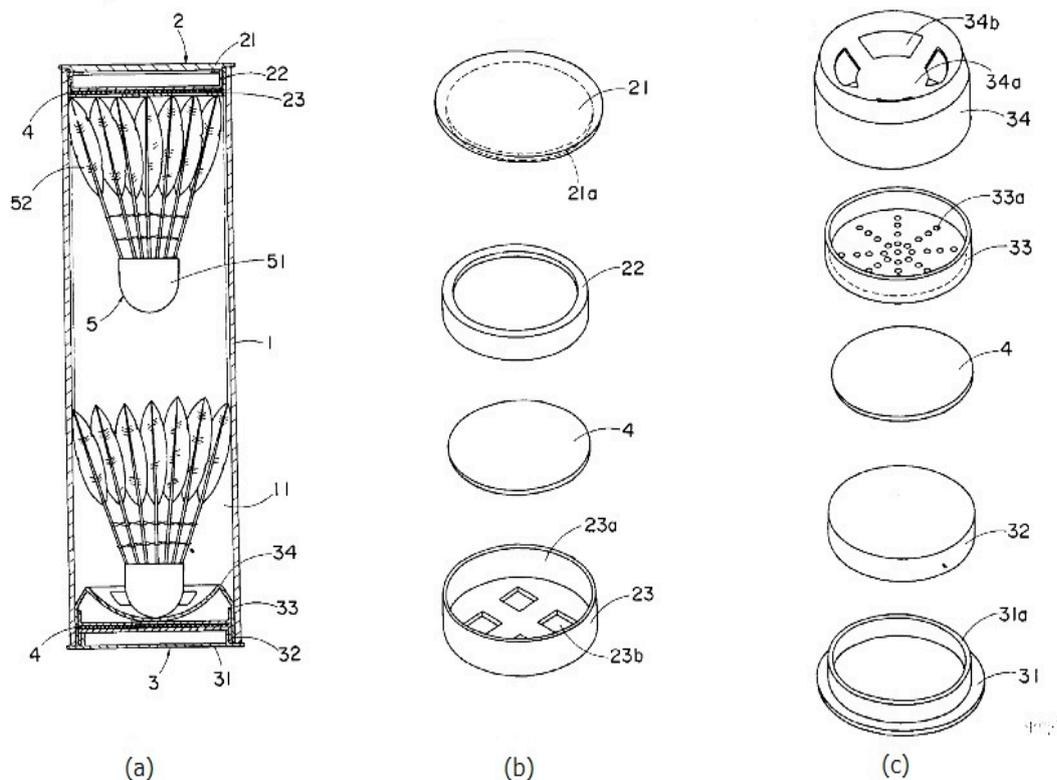
Badminton or similar games with feathered missiles

Definition statement

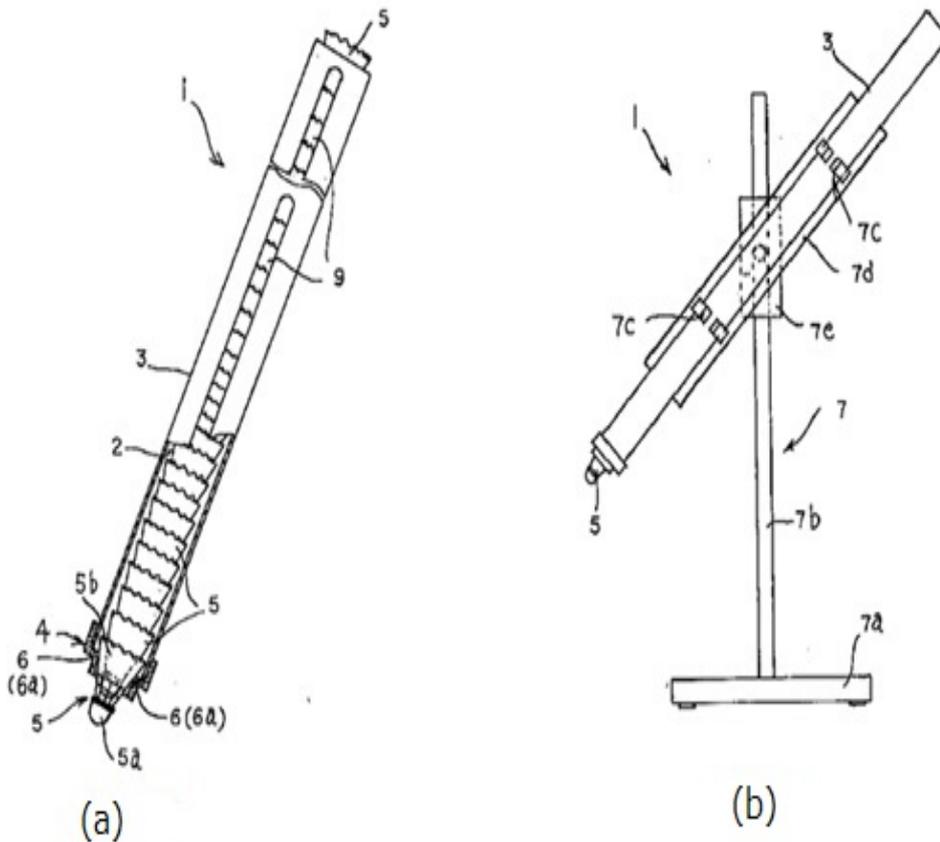
This place covers:

Apparatus or equipment specially adapted for badminton or similar games with feathered missiles. The games other than badminton include hanetsuki, which is a traditional Japanese game, shuttlecock, and battledore.

Example covered by this group but not covered by group [A63B 67/183](#): Portable cases for feathered missiles



Example covered by this group but not covered by group [A63B 67/183](#): Cartridges of which feathered missiles can be easily taken out.



References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Devices for handling or treating balls	A63B 47/00
Badminton	A63B 2102/04
Darts	F42B 6/003

Special rules of classification

Shuttlecocks for badminton are classified in [A63B 67/18](#) and [A63B 2102/04](#).

A63B 67/197

with special functions, e.g. light emission or sound generation

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Balls with special arrangements	A63B 43/00
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A63B 67/20

Games using a bat {or racket} with a ball {or other body} tethered thereto

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Bats tethered to a line or cord	A63B 69/0079
Pin games with tethered balls	A63D 7/00
Tethered playing balls or other tethered playing bodies	A63F 2007/4087
Tethered playing balls or other tethered playing bodies supported on a tethering arm	A63F 2007/4093

A63B 69/00

Training appliances or apparatus for special sports (training of parachutists [B64D 23/00](#))

Definition statement

This place covers:

Mechanical aspects of training appliances or apparatus.

Relationships with other classification places

[A63B 69/00](#) and its subgroups deal with the mechanical features of training appliances or apparatus used when training for sports. Some groups and subgroups in subclass [A63B](#) are used for additional information and may cause confusion:

- [A63B 24/00](#), which relates to electric or electronic controls for apparatuses classified in other groups and subgroups of [A63B](#) (not [A63B 71/06](#)).
- [A63B 71/06](#), which relates to different kinds of indicating devices for sports for apparatuses classified in other groups and subgroups of [A63B](#).
- [A63B 2220/00](#), for measuring of physical parameters relating to sporting activity.
- When the invention disclosed in a document does not lie in a mechanical sports device or the electronic controlling thereof with a mechanical effect on the device, it should not be classified in [A63B](#) (at least not as "invention information").

References

Limiting references

This place does not cover:

Training of parachutists	B64D 23/00
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Exercising apparatus for developing or strengthening the muscles or joints of the body by working against a counterforce	A63B 21/00
Exercising apparatus specially adapted for particular parts of the body	A63B 23/00
Measuring movement of entire body or parts thereof	A61B 5/11

Informative references

Measuring muscular strength for diagnostic purposes	A61B 5/22
Apparatus for passive exercising or massage	A61H
Video games	A63F 13/00
Exercising for producing mechanical power	F03G 5/00
Archers' finger tabs	F41B 5/1473
Measuring of sport goods in general	G01B 5/0023
Measure arrangements characterised by the use of optical means	G01B 11/00
Systems for determining distance or velocity using ultrasonic, sonic, or infrasonic waves	G01S 11/14
Systems using reflection of acoustic waves	G01S 15/00
Systems using reflection of electromagnetic waves, velocity or trajectory	G01S 17/58
GPS – receivers – sporting applications	G01S 19/19
Controlling member being movable by hand, e.g. joystick	G05G 9/047
Input interaction (Gesture, VR, GUI)	G06F 3/01
Data acquisition and logging	G06F 17/40
Performance analysis	G06Q 10/0639
Analysis of motion	G06T 7/20
Recognition of whole body movements, e.g. for sport training	G06V 40/23
Race time recorders	G07C 1/24
Simulators for teaching or training	G09B 9/00
Devices for exercising or strengthening of fingers or arms in teaching music	G09B 15/06
Teaching repetitive work cycles; Sequence of movements; sport	G09B 19/0038
Rhythm (Matching music to exercise)	G10H 1/40
Synchronising audio tracks of files	G10H 2240/325
ICT specially adapted for therapies or health-improving plans relating to physical therapies or activities, e.g. physiotherapy, acupuncture or exercising	G16H 20/30

Special rules of classification

The control aspect should be classified in [A63B 24/00](#)

The interface features (indicating or scoring devices) should be classified in [A63B 71/06](#)

The sensors should be classified in [A63B 2220/00](#) or [A63B 2230/00](#)

The position of the user should be classified in [A63B 2208/00](#)

The specific sport should be classified in [A63B 2243/00](#) or [A63B 2244/00](#), unless covered by the title of the group.

A63B 69/0002**{for baseball}****Definition statement***This place covers:*

Baseball, e.g. softball or rounders.

Special rules of classification

Depending on whether it is used for baseball, softball or rounders, this subgroup always needs to be complemented by, respectively, the following codes.

Baseball, softball or rounders	A63B 2102/18
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A63B 69/0013**{Baseball bases}****Definition statement***This place covers:*

Baseball mounds also.

References**Informative references***Attention is drawn to the following places, which may be of interest for search:*

Apparatus for setting-out or dividing courts, in general	A63C 19/06
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A63B 69/002**{for football (American-football dummies [A63B 69/34](#))}****Definition statement***This place covers:*

Training appliances or apparatus for:

- Association football (more commonly known as football or soccer); or
- American football.

References**Limiting references***This place does not cover:*

American-football dummies	A63B 69/34
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Special rules of classification

Depending on whether it is used for Association or American football, this subgroup always needs to be complemented by, respectively with the following codes:

Association football (soccer)	A63B 2243/0025
American football	A63B 2243/007

A63B 69/0022

{for skating}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Skates with multiple blades	A63C 1/36
Ice-skating or roller-skating rinks	A63C 19/10

A63B 69/0026

{for ice-hockey}

Special rules of classification

Ice hockey pucks are classified in both [A63B 67/14](#) and [A63B 69/0026](#).

A63B 69/0028

{for running, jogging or speed-walking (movable endless bands [A63B 22/02](#))}

References

Limiting references

This place does not cover:

Movable endless bands	A63B 22/02
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Informative references

Attention is drawn to the following places, which may be of interest for search:

The person using trunk supports resisting forward motion of user	A63B 2208/0261
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A63B 69/0048**{for mountaineering, e.g. climbing-walls, grip elements for climbing-walls}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Climbing poles, frames, or stages	A63B 9/00
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A63B 69/0053**{Apparatus generating random stimulus signals for reaction-time training involving a substantial physical effort}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Devices for projecting balls	A63B 69/40
Devices for testing reaction times	A61B 5/162
Reaction-time games	A63F 9/0096

A63B 69/0057**{Means for physically limiting movements of body parts ([A63B 23/0211](#) takes precedence)}****Definition statement***This place covers:*

Restraining devices that are not worn on the body but are (externally) attached on the body from the outside. When the user moves away from the training spot, he/she will keep on him/her what is worn ([A63B 69/0059](#)) but what was attached on him/her ([A63B 69/0057](#)) will stay behind on the training spot.

References**Limiting references***This place does not cover:*

Moving torso with immobilized lower limbs	A63B 23/0211
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Informative references*Attention is drawn to the following places, which may be of interest for search:*

Supports for anchoring force-resisters	A63B 21/16
Supports for anchoring force-resisters mounted on or against a wall	A63B 21/169
Attachment of exercising apparatus to the body of the user	A63B 21/4001
Means for physically limiting movements of body parts worn by the user	A63B 69/0059

Attachments on the body for golf, e.g. for measuring, aligning, restraining	A63B 69/3608
Movement of a golf club is limited with the purpose of guiding the swing	A63B 69/3621
Tactile feedback	A63B 2071/0655

A63B 69/0059

{worn by the user}

Definition statement

This place covers:

Also, limiting movement between grip and body parts (apart from the hand).

Relationships with other classification places

When [A63B 69/0059](#) is appropriate and the invention concerns a golf device, [A63B 69/36](#) or any other appropriate subgroup referring to golf has to be allocated too.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Attachments of exercise devices to the body without movement restriction	A63B 21/4001
Attachments between the hand/hands and the golf club, either by directly attaching one or more hands to the club, or by attaching the hands to one another around the golf club (e.g. via a band or a sticking surface fixing the grip to the hand/glove of the user, or even indirectly blocking the relative movement between the hands and the grip)	A63B 69/3608
Tactile feedback	A63B 2071/0655

A63B 69/0064

{Attachments on the trainee preventing falling}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Suspension devices for supporting the body in an upright walking or standing position, e.g. harnesses	A61H 3/008
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A63B 69/0066

{for wind-surfing}

References

Limiting references

This place does not cover:

Sailing simulators (for teaching or training purposes)	G09B 9/066
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A63B 69/0075

{Means for releasably holding a ball in position prior to kicking, striking or the like (golf tees [A63B 57/10](#))}

References**Limiting references**

This place does not cover:

Golf tees	A63B 57/10
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A63B 2069/0077

{Suspending a ball on an upright stream of air or water}

References**Limiting references**

This place does not cover:

Stationarily-arranged devices with pneumatic propelling means for projecting balls	A63B 69/409
Indoor games with playing bodies projected by compressed air	A63F 7/066
Water toys, floating toys or like buoyant toys	A63H 23/10

A63B 69/0079

{Balls tethered to a line or cord ([A63B 43/007](#) takes precedence; other games using tethered balls [A63B 67/10](#); games using a bat or racket with a ball tethered thereto [A63B 67/20](#))}

References**Limiting references**

This place does not cover:

Arrangements on balls for connecting lines or cords	A63B 43/007
Other games using tethered balls	A63B 67/10
Games using a bat or racket with a ball tethered thereto	A63B 67/20

Informative references

Attention is drawn to the following places, which may be of interest for search:

Tethered playing balls or other tethered playing bodies	A63F 2007/4087
Tethered playing balls or other tethered playing bodies supported on a tethering arm	A63F 2007/4093

Special rules of classification

Hollow rigid balls are classified in [A63B 37/0098](#)

Arrangements on balls for connecting lines or cords [A63B 43/007](#) takes precedence.

A63B 69/0086

{the line or cord being attached to the user ([A63B 21/0608](#) takes precedence; punching balls attached to the user [A63B 69/26](#))}

References

Limiting references

This place does not cover:

Eccentric weights put into orbital motion by nutating movement of the user	A63B 21/0608
Punching balls attached to the user	A63B 69/26

A63B 69/0093

{for surfing, i.e. without a sail; for skate or snow boarding}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Equipment or arrangements for generating waves, particularly adapted for surfing, waterskiing, or the like	B63B 34/70
Devices for producing waves in swimming pools	E04H 4/0006

A63B 69/0097

{Ball rebound walls (with holes or in combination with nets [A63B 63/00](#))}

References

Limiting references

This place does not cover:

Targets or goals for ball games (walls with holes or in combination with nets)	A63B 63/00
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Controlling or monitoring of exercises, sportive games, training or athletic performances	A63B 24/00
Backstops, cages, enclosures or the like, e.g. for spectator protection, for arresting balls	A63B 71/022
Indicating or scoring devices for games or players, or for other sports activities	A63B 71/06
Targets for projectiles other than balls	A63F 9/0204
Target indicating systems; Target-hit or score detecting systems	F41J 5/00

A63B 69/02

for fencing {, e.g. means for indicating hits}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Fencing foils, sabres or epees	F41B 13/02
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Special rules of classification

Fencing masks are classified in [A63B 69/02](#) and also in [A63B 2071/105](#) and [A63B 71/10](#).

A63B 69/04

simulating the movement of horses (toy animals for riding [A63G 19/00](#))

References**Limiting references**

This place does not cover:

Toy animals for riding	A63G 19/00
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A63B 69/06

for rowing or sculling

Definition statement

This place covers:

Training for real rowing or sculling movement, not necessarily on a real boat.

Canoeing and kayaking also.

Relationships with other classification places

Canoes, kayaks or the like [B63B 34/20](#).

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Rowing machines for fitness	A63B 22/0076
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A63B 69/08

with water-filled pools

Special rules of classification

This group includes any rowing training which takes place in a real boat.

A63B 69/12**Arrangements in swimming pools for teaching swimming {or for training}****Definition statement**

This place covers:

Any kind of mechanical training equipment for swimming which is used when the user is actually swimming surrounded by water or any other liquid.

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Swimming aids	A63B 31/00
Floating seats	A47C 15/006
Fluid mattresses, e.g. pneumatic mattresses, Liquid mattresses or mattresses with fluid-like particles	A47C 27/08
Body floating supports for relaxation	A61H 37/005
Toy boats; Floating toys; Other aquatic toy devices	A63H 23/00
Vessels or like floating structures for pleasure or sport	B63B 34/00
Rafts, i.e. free floating waterborne vessels, of shallow draft, with little or no freeboard, and having a platform or floor for supporting a user	B63B 35/58
Life-buoys, life-belts	B63C 9/08

A63B 69/125**{Devices for generating a current of water in swimming pools}****References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

Wave-producers or the like in baths	A47K 3/10
Therapeutic baths with agitated or circulated water	A61H 33/0087
Equipment or arrangements for generating waves, particularly adapted for surfing, waterskiing, or the like	B63B 34/70
Producing waves in swimming pools	E04H 4/0006

A63B 69/14**Teaching frames for swimming {; Swimming boards}****References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

Swimming aids	A63B 31/00
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Informative references

Floating seats	A47C 15/006
Fluid mattresses, e.g. pneumatic mattresses, Liquid mattresses or mattresses with fluid-like particles	A47C 27/08
Body floating supports for relaxation	A61H 37/005
Toy boats; Floating toys; Other aquatic toy devices	A63H 23/00
Body-boards, i.e. surfboards specially adapted for use by users in prone position; Planing members attachable to, or held by body-surfers	B63B 32/20
Other vessels or like floating structures for pleasure or sport	B63B 34/00
Rafts, i.e. free floating waterborne vessels, of shallow draft, with little or no freeboard, and having a platform or floor for supporting a user	B63B 35/58
Life-buoys, life-belts	B63C 9/08

A63B 69/16

for cycling {, i.e. arrangements on or for real bicycles}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Mechanical means for variation of the resistance	A63B 21/00058
Frictional force-resisters with surfaces rolling against each other without substantial slip	A63B 21/0125
Stationary bicycles, ergometers	A63B 22/0605
Means providing for a stabilised ride	B62H 1/10

Special rules of classification

To be complemented with the relevant subgroups of [A63B 21/00](#), [A63B 22/00](#), [A63B 23/00](#). This group is also used for wheelchair training on rollers - such documents are additionally coded with [A63B 2071/0018](#)..

A63B 69/18

for skiing

References**Limiting references**

This place does not cover:

Devices enabling skis to be used whilst held in a particular configuration with respect to each other, e.g. for training purposes	A63C 5/16
Accessories for skiing or snowboarding (fittings on vehicles for carrying skis)	A63C 11/00
Slalom gate poles, posts or marking sticks for sport field	A63C 19/00

A63B 69/182

{for cross-country-skiing ([A63B 23/0417](#), [A63B 69/0022](#) take precedence)}

References**Limiting references**

This place does not cover:

Exercising apparatus for the legs with guided foot supports moving parallel to the body-symmetrical-plane by translation	A63B 23/0417
Training devices for skating	A63B 69/0022

A63B 69/187

{for water-skiing}

References**Limiting references**

This place does not cover:

Waterskis	B63B 32/30
Accessories, e.g. sticks for water skiing	B63B 32/30

A63B 69/20

Punching balls {, e.g. for boxing; Other devices for striking used during training of combat sports, e.g. bags}

Definition statement

This place covers:

Training devices subjected to strikes or blows by a person training in a combat sport including: punching bags, punching balls, pads held or attached to the human body, and striking dummies.

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Golf tees	A63B 57/10
Means for releasably holding a ball in position; Balls constrained to move around a fixed point, e.g. by tethering	A63B 69/0073
Dummies, e.g. for boxing or American football	A63B 69/34

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Punching ball	Devices which move and return fast due to their low inertia when subject to strikes or blows; mainly designed to be hit at resonant frequency
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Synonyms and Keywords

In patent documents, the following words/expressions are often used as synonyms:

- Punching ball
- Speed bag

A63B 69/215

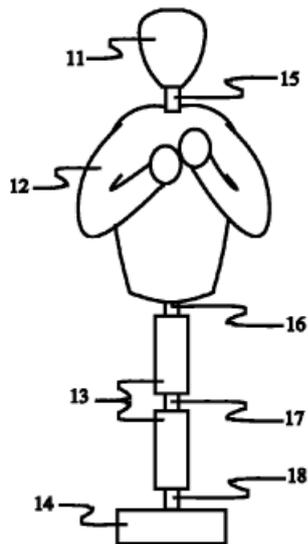
{Anthropomorphic devices}

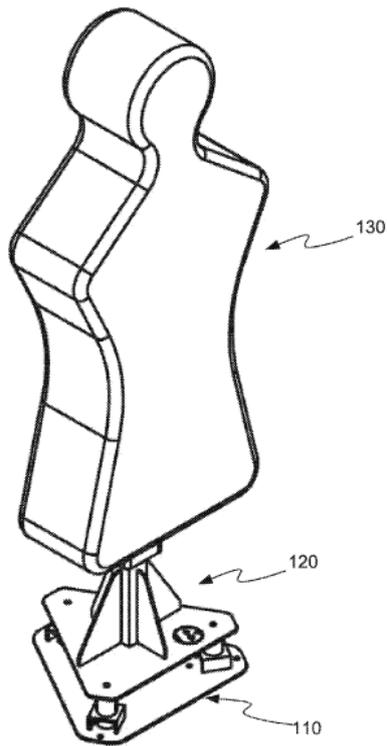
Definition statement

This place covers:

Striking devices having an anthropomorphic shape or resemblance.

Illustrative example of subject matter classified in this group:





A63B 69/22

mounted on, or suspended from, a fixed support

Definition statement

This place covers:

Punching balls, punching bags or other striking devices mounted on or suspended from a stationary support during the striking activity. The support may be adjusted or repositioned when not in use and the training device, e.g. the ball or bag, may move when struck, but the overall structure remains in place during the exercise.

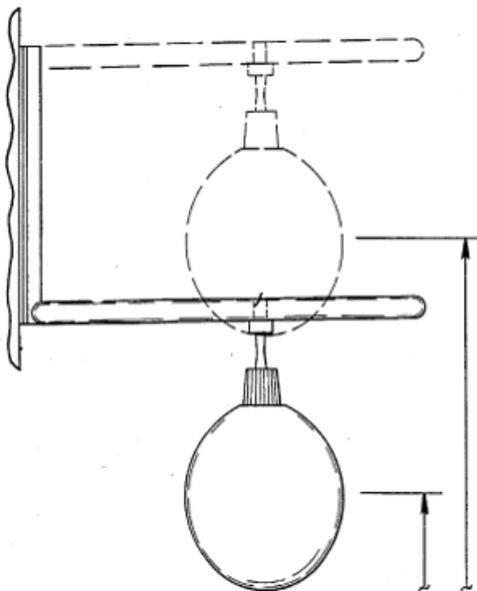
Illustrative example of subject matter classified in this group:

A punching ball mounted on a fixed support. The height of the ball is adjustable but remains set once the punching exercise begins.



Illustrative example of subject matter classified in this group:

A punching ball suspended from a fixed support. The height of the ball is adjustable but remains set once the punching exercise begins.



A63B 69/24

mounted on, or suspended from, a movable support

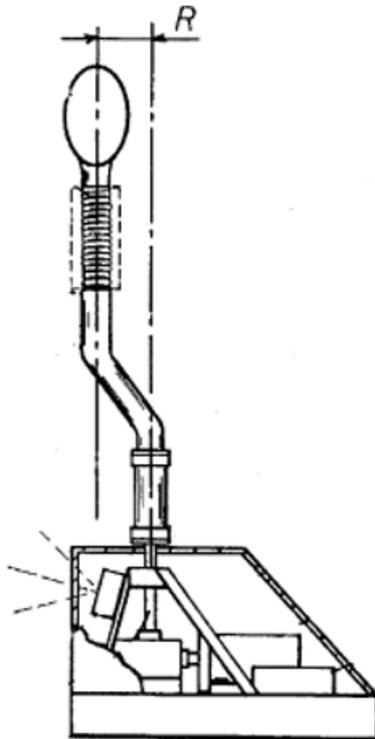
Definition statement

This place covers:

Punching balls, punching bags or other striking devices mounted on or suspended from a support set in motion during the striking activity. The motion of the training device should be an added feature to enhance the training experience, with said motion imparted independent from the striking activity.

Illustrative example of subject matter classified in this group:

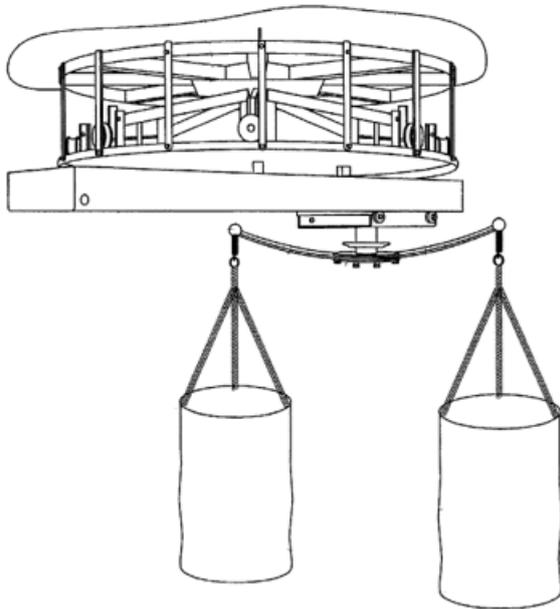
A punching target mounted on a movable support. The target is set in motion by a motor and drive shaft during the punching exercise, and a sensor detects movement by the user to alter the motion of the target.



Illustrative example of subject matter classified in this group:

Punching bags mounted on a movable support. The carousel and track system supporting the punching bags are set in motion with a motor and produce unpredictable movements. Alternatively,

the carousel and track system are designed to produce unpredictable movements without a motor in response to the punching force from the user.



A63B 69/26

attached to the human body

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Other tethered balls being attached to the user	A63B 69/0086
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A63B 69/32

with indicating devices

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Counting, e.g. counting periodical movements, revolutions or cycles, or including further data processing to determine distances or speed	A63B 2220/17
Force of an impact, e.g. blow or punch	A63B 2220/53
Sensors arranged on the exercise apparatus or sports implement	A63B 2220/833

A63B 69/333

{Fake or disarmed practise weapons, i.e. for mimicking combat situations in martial arts training}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Toy swords or similar toy weapons; Toy shields	A63H 33/009
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A63B 69/34

{Tackling, blocking or grappling dummies, e.g.} boxing or {wrestling or American-} football dummies

Definition statement

This place covers:

Tackling, blocking or grappling dummies.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Hanging heavy punching bags	A63B 69/305
Manipulators	B25J

Special rules of classification

This subgroup should always be complemented with the appropriate code in [A63B 2102/00](#), [A63B 2243/00](#) or [A63B 2244/00](#) relating to the specific sport or sports for which the dummy is used.

Boxing dummies used for punching or striking training are classified in [A63B 69/20](#) and subgroups, e.g. [A63B 69/215](#).

A63B 69/36

for golf

Definition statement

This place covers:

Mechanical aspects of training appliances or apparatus used when training golf, i.e. mechanical equipment which is not normally used during the game of golf.

Relationships with other classification places

[A63B 69/36](#) and its subgroups deal with the mechanical features of training appliances or apparatus used when training golf. Some groups and subgroups in subclass [A63B](#) are used for additional information and may cause confusion:

- [A63B 24/00](#), which relates to electric or electronic controls for apparatuses classified in other groups and subgroups of [A63B](#) (not [A63B 71/06](#)).

Relationships with other classification places

- [A63B 71/06](#), which relates to different kinds of indicating devices for sports for apparatuses classified in other groups and subgroups of [A63B](#).
- [A63B 2220/00](#), for measuring of physical parameters relating to sporting activity.

When the invention disclosed in a document does not lie in a mechanical sports device or the electronic controlling thereof with a mechanical effect on the device, it should not be classified in [A63B](#) (at least not as "invention information").

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Golf clubs	A63B 53/00
Bags and stands	A63B 55/00
Golf game accessories	A63B 57/00
Scoring devices	A63B 71/06
Measuring movement of entire body or parts thereof	A61B 5/11
Video games	A63F 13/00
Measuring of sport goods in general	G01B 5/0023
Measure arrangements characterised by the use of optical means	G01B 11/00
Systems for determining distance or velocity using ultrasonic, sonic, or infrasonic waves	G01S 11/14
Systems using reflection of acoustic waves	G01S 15/00
Systems using reflection of electromagnetic waves, velocity or trajectory	G01S 17/58
GPS – receivers – sporting applications	G01S 19/19
Input interaction (Gesture, VR, GUI)	G06F 3/01
Data acquisition and logging	G06F 17/40
Performance analysis	G06Q 10/0639
Analysis of motion	G06T 7/20
Recognition of whole body movements, e.g. for sport training	G06V 40/23
Simulators for teaching or training	G09B 9/00
Teaching repetitive work cycles; Sequence of movements; sport	G09B 19/0038
ICT specially adapted for therapies or health-improving plans relating to physical therapies or activities, e.g. physiotherapy, acupressure or exercising	G16H 20/30

Special rules of classification

Control must be classified in [A63B 24/00](#).

The interface features must be classified in [A63B 71/06](#).

The sensors must be classified in [A63B 2220/00](#) or [A63B 2230/00](#).

The position of the user must be classified in [A63B 2208/00](#).

A63B 69/3605

{Golf club selection aids informing player of his average or expected shot distance for each club}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Devices for measuring, verifying, correcting or customizing characteristics of golf-clubs, bats, rackets or the like	A63B 60/42
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A63B 69/3608

{Attachments on the body, e.g. for measuring, aligning, restraining ([A63B 69/0059](#), [A63B 69/3673](#) take precedence)}

Definition statement

This place covers:

Also attachments used between the hand/hands and the golf club, either by directly attaching one or more hands to the club, or by attaching the hands to one another around the golf club (e.g. via a band or a sticking surface fixing the grip to the hand/glove of the user, or even indirectly blocking the relative movement between the hands and the grip).

References**Limiting references**

This place does not cover:

Means for physically limiting movements of body parts worn by the user	A63B 69/0059
Foot inclining aids	A63B 69/3673

Informative references

Attention is drawn to the following places, which may be of interest for search:

Attachments of exercise devices to the body without movement restriction	A63B 21/4001
Attachments of exercising apparatus to the upper limbs of the user	A63B 21/4017
Attachments of exercising apparatus to the hand of the user	A63B 21/4019
Attachments of exercising apparatus to the wrist of the user	A63B 21/4021
Visual means not attached to the body for positioning the trainee's head or for detecting head movement, e.g. by parallax (for driving)	A63B 69/3629
Golf stance aids, i.e. means for positioning a golfer's feet	A63B 69/3667
Visual means not attached to the body for positioning the trainee's head or for detecting head movement, e.g. by parallax (for putting)	A63B 69/3682
Tactile feedback	A63B 2071/0655
Visual indication, e.g. Indicia (only visual (i.e. non mechanical) alignment devices)	A63B 2071/0694

A63B 69/3614

{using electro-magnetic, magnetic or ultrasonic radiation emitted, reflected or interrupted by the golf club}

Definition statement

This place covers:

All types of training means using electro-magnetic, magnetic or ultrasonic radiation e.g. laser aiming, interruption of beams or lamps attached to golf club.

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Optical or opto-electric sensors	A63B 2220/805
Powered illuminating means	A63B 2225/74

A63B 69/3617

{Striking surfaces with impact indicating means, e.g. markers}

Definition statement

This place covers:

Means indicating the actual impact point, i.e. point of contact, with the ball.

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Means indicating the preferred impact point for normal golf clubs, i.e. visual indicators for aligning the golf club	A63B 53/0441
Visual indicators for training purposes for indicating the preferred impact point or aligning the golf club	A63B 69/3632
Visual indicators for putting training purposes for indicating the preferred impact point or aligning the putter	A63B 69/3685

Special rules of classification

Note: the means indicate the actual impact point, i.e. point of contact, with the ball; means indicating the preferred impact point for normal golf clubs should be coded in [A63B 53/0441](#), and for training purposes in [A63B 69/3632](#) or [A63B 69/3685](#).

A63B 69/3621

{Contacting or non-contacting mechanical means for guiding the swing}

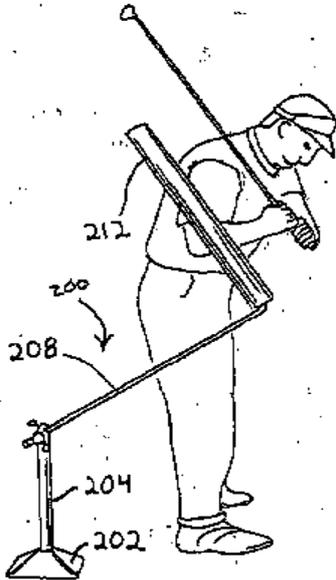
Definition statement

This place covers:

Contacting and non-contacting mechanical (i.e. not only visual) means for guiding the swing. "Non-contacting mechanical means" means that there would be contact only if the movement is executed

wrongly. Thus, it is valid for any type of device that the club contacts during the swing OR would contact if used wrongly (within the normal limits of a swing).

The following figure that shows an example of non-contacting means.



References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Attachments on the body, e.g. for measuring, aligning, restraining	A63B 69/3608
Visual means not attached to the body for positioning the trainee's head or for detecting head movement, e.g. by parallax (for driving)	A63B 69/3629
Visual means not attached to the body for positioning the trainee's head or for detecting head movement, e.g. by parallax (for putting)	A63B 69/3682
Visual indication (if the means for guiding the swing are only of a visual nature, e.g. line on a mat that the user should try to follow)	A63B 2071/0694

A63B 69/36211

{Mechanical guides guiding the club head end during the complete swing, e.g. rails}

Definition statement

This place covers:

Mechanical guides which guide the club head end during the complete (or almost complete) swing; this also can be achieved by guiding any part of the golf club, i.e. not necessarily the club head end.

A63B 69/36212

{with a flexible member fixed on the club and rotating around a fixed supporting point (clubs only for gymnastics or muscular training [A63B 15/00](#))}

References**Limiting references**

This place does not cover:

Clubs for gymnastics or the like, e.g. for swinging exercises	A63B 15/00
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Resilient force resistors of the extension element type	A63B 21/055
Elastic ropes or bands	A63B 21/0552
User-manipulated weights	A63B 21/06

A63B 69/36213

{with arm or rod fixed on the club and rotating around a fixed supporting point}

Definition statement

This place covers:

Linked arms/rods/bars.

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Mechanical guide guiding the club head end during the complete swing with a flexible member fixed on the club and rotating around a fixed supporting point	A63B 69/36212
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A63B 69/3623

{for driving ([A63B 69/3608](#), [A63B 69/3658](#), [A63B 69/3661](#), [A63B 69/3667](#) and [A63B 69/3691](#) take precedence)}

References**Limiting references**

This place does not cover:

Attachments on the body, e.g. for measuring, aligning, restraining	A63B 69/3608
Means associated with the ball for indicating or measuring, e.g. speed, direction	A63B 69/3658
Mats for golf practice, e.g. mats having a simulated turf, a practice tee or a green area	A63B 69/3661

Limiting references

Golf stance aids, e.g. means for positioning a golfer's feet	A63B 69/3667
Golf courses; Golf practising terrains having a plurality of driving areas, fairways, greens	A63B 69/3691

A63B 69/3629

{Visual means not attached to the body for aligning, positioning the trainee's head or for detecting head movement, e.g. by parallax}

Definition statement

This place covers:

Means that help to put the head of the user in a position in space for driving.

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Golf club heads with visual indicators for aligning the golf club	A63B 53/0441
Contacting or non-contacting means for guiding the swing	A63B 69/3621
Drivers or attachments on drivers, e.g. for measuring, aligning	A63B 69/3632
Putters or attachments on putters, e.g. for measuring, aligning	A63B 69/3685
Visual indication for aligning the eyes or body with the target line	A63B 2071/0694

A63B 69/3632

{Clubs or attachments on clubs, e.g. for measuring, aligning ([A63B 69/3614](#) takes precedence; clubs for swinging exercises in general [A63B 15/00](#))}

References**Limiting references**

This place does not cover:

Clubs, weighted hand bars for swinging exercises not related to golf technique	A63B 15/00
Golf clubs not used for training with visual indicators for aligning the club	A63B 53/0441
Bats with a ball tethered thereto	A63B 67/20
Golf training apparatus using electro-magnetic, magnetic or ultrasonic radiation emitted, reflected or interrupted by the golf club	A63B 69/3614

Informative references

Attention is drawn to the following places, which may be of interest for search:

Attachments of exercising apparatus to the upper limbs of the user	A63B 21/4017
Attachments of exercising apparatus to the hand of the user	A63B 21/4019
Attachments of exercising apparatus to the wrist of the user	A63B 21/4021
Golf clubs not used for training with visual indicators for aligning the club	A63B 53/0441

Handles or grips for golf clubs, bats, rackets or the like	A63B 60/06
Weighted handles for golf clubs, bats, rackets or the like	A63B 60/24
Bats with a ball tethered thereto	A63B 67/20

A63B 69/3635

{with sound-emitting source}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Means for indicating or measuring the pressure on the grip	A63B 2060/464
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A63B 69/3638

{Normal golf clubs with directly attached weights}

References

Limiting references

This place does not cover:

Clubs, weighted hand bars for swinging exercises not related to golf technique	A63B 15/00
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Informative references

Attention is drawn to the following places, which may be of interest for search:

User-manipulated weights; fluids, e.g. water	A63B 21/0602
Fluid-like particles, e.g. gun shot, sand	A63B 21/0603

A63B 69/3652

{Inclined platforms for practising drives from slopes}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Special golf games, e.g. miniature golf, e.g. golf putting games played on putting tracks; putting practice apparatus having an elongated platform as a putting track	A63B 67/02
Mats for golf practice, e.g. mats having a simulated turf, a practice tee or a green area	A63B 69/3661
Golf courses and golf practising terrains having a plurality of driving areas, fairways, greens.	A63B 69/3691

A63B 69/3655**{Balls, ball substitutes, or attachments on balls therefor}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Short-distance or low-velocity balls for training, or for playing on a reduced area	A63B 2043/001
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A63B 69/3661**{Mats for golf practice, e.g. mats having a simulated turf, a practice tee or a green area}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Special golf games, e.g. miniature golf, e.g. golf putting games played on putting tracks; putting practice apparatus having an elongated platform as a putting track	A63B 67/02
Inclined platforms for practising drives from slopes	A63B 69/3652
Golf courses and golf practising terrains having a plurality of driving areas, fairways, greens.	A63B 69/3691
Surfaces simulating grass	E01C 13/08

A63B 69/3676**{for putting ([A63B 69/3608](#), [A63B 69/3661](#), [A63B 69/3667](#) and [A63B 69/3697](#) take precedence)}****References****Limiting references***This place does not cover:*

Attachments on the body, e.g. for measuring, aligning, restraining	A63B 69/3608
Mats for golf practice, e.g. mats having a simulated turf, a practice tee or a green area	A63B 69/3661
Golf stance aids, e.g. means for positioning a golfer's feet	A63B 69/3667
Golf courses with putting taking place on a green other than the target green	A63B 69/3697

Informative references*Attention is drawn to the following places, which may be of interest for search:*

Putting tracks	A63B 67/02
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Golf courses; Golf practising terrains having a plurality of driving areas, fairways, greens	A63B 69/3691
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A63B 69/3682

{Visual means not attached to the body for aligning, positioning the trainee's head or for detecting head movement, e.g. by parallax}

Definition statement

This place covers:

Means that help to put the head of the user in a position in space for putting.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Golf club heads with visual indicators for aligning the golf club	A63B 53/0441
Drivers or attachments on drivers, e.g. for measuring, aligning	A63B 69/3632
Putters or attachments on putters e.g. for measuring, aligning	A63B 69/3685
Visual indication for aligning the eyes or body with the target line	A63B 2071/0694

A63B 69/3685

{Putters or attachments on putters, e.g. for measuring, aligning ([A63B 69/3614](#) takes precedence)}

References

Limiting references

This place does not cover:

Golf training apparatus using electro-magnetic, magnetic or ultrasonic radiation emitted, reflected or interrupted by the golf club	A63B 69/3614
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Attachments of exercising apparatus to the upper limbs of the user	A63B 21/4017
Attachments of exercising apparatus to the hand of the user	A63B 21/4019
Attachments of exercising apparatus to the wrist of the user	A63B 21/4021
Handles or grips for golf clubs, bats, rackets or the like	A63B 60/06
Weighted handles for golf clubs, bats, rackets or the like	A63B 60/24

A63B 69/3691

{Golf courses; Golf practising terrains having a plurality of driving areas, fairways, greens (special golf games, e.g. miniature golf, [A63B 67/02](#); mats for simulating golf greens [A63B 69/3661](#))}

References

Limiting references

This place does not cover:

Special golf games, e.g. miniature golf, golf putting games played on putting tracks; putting practice apparatus having an elongated platform as a putting track	A63B 67/02
Mats for golf practice, e.g. mats having a simulated turf, a practice tee or a green area	A63B 69/3661

Informative references

Attention is drawn to the following places, which may be of interest for search:

Inclined platforms for practising drives from slopes	A63B 69/3652
Pavings or foundations specially adapted for playgrounds or sports grounds; Drainage, irrigation or heating of sports grounds	E01C 13/00

A63B 69/38

for tennis {([A63B 61/006](#), [A63B 69/0073](#) and [A63B 69/0097](#) take precedence)}

References

Limiting references

This place does not cover:

Accessories for training purposes mounted on the net	A63B 61/006
Means for releasably holding a ball in position; balls constrained to move around a fixed point, e.g. by tethering	A63B 69/0073
Ball rebound walls	A63B 69/0097

Informative references

Attention is drawn to the following places, which may be of interest for search:

Devices measuring hand characteristics to determine correct grip size	A63B 2060/462
Means for indicating or measuring the pressure on the grip	A63B 2060/464

Special rules of classification

control must be classified in [A63B 24/00](#).

The interface features must be classified in [A63B 71/06](#).

The sensors must be classified in [A63B 2220/00](#) or [A63B 2230/00](#).

The position of the user must be classified in [A63B 2208/00](#).

A63B 69/40

Stationarily-arranged devices for projecting balls {or other bodies} ({golf cups with ball ejector means [A63B 57/405](#);} traps for clay-pigeon targets [F41J 9/18](#))

Definition statement

This place covers:

"Stationarily" also includes moving robots which are stationary when projecting balls.

References

Limiting references

This place does not cover:

Golf cups with ball ejector means	A63B 57/405
Traps for clay-pigeon targets	F41J 9/18

Informative references

Attention is drawn to the following places, which may be of interest for search:

Ball dispensers having means preventing bridge formation during dispensing	A63B 2047/004
Targets with means for returning balls by gravity or mechanically	A63B 63/00
Implements for throwing	A63B 65/00
Dog ball launchers	A01K 15/025
Apparatus for projecting balls for indoor games	A63F 7/2409
Sling weapons	F41B 3/00
Magazines for projected targets	F41J 9/30
Means for obviating the anticipation of the flight path for projected targets	F41J 9/32

A63B 69/406

{with rotating discs, wheels or pulleys gripping and propelling the balls or bodies by friction}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Friction-wheel operated launchers	F41B 4/00
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A63B 69/407**{with spring-loaded propelling means}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Catapults	F41B 3/02
Traps or throwing-apparatus for clay-pigeon or clay-disc targets with spring-operated throwing arm	F41J 9/20

A63B 71/00**Games or sports accessories not covered in groups [A63B 1/00](#) - [A63B 69/00](#) (starting appliances [A63K 3/02](#))****Definition statement***This place covers:*Games or sports accessories not covered in groups [A63B 1/00](#) - [A63B 69/0015](#).**References****Limiting references***This place does not cover:*

Race starting appliances	A63K 3/02
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A63B 71/0009**{for handicapped persons}****Definition statement***This place covers:*

Games and apparatus for handicapped persons.

Special rules of classificationWheelchair training on rollers is classified in [A63B 69/16](#) and additionally in [A63B 2071/0018](#).**A63B 71/0036****{Accessories for stowing, putting away or transporting exercise apparatus or sports equipment ([A63B 47/00](#), [A63B 55/00](#), [A63B 60/56](#) take precedence)}****Definition statement***This place covers:*

Accessories for stowing, putting away or transporting exercise apparatus or sports equipment.

References

Limiting references

This place does not cover:

Devices for handling, treating or holding balls	A63B 47/00
Bags and stands for golf clubs	A63B 55/00
Devices for protection, storage or transport for golf clubs, bats, rackets or the like	A63B 60/56

Application-oriented references

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Devices for handling, treating or holding balls	A63B 57/20
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Space saving in sport equipment	A63B 2210/00
Sport bags	A45C 2003/007
Hand-propelled vehicles for transporting sport articles	B62B 2202/40

A63B 71/0045

{specially adapted for games played with rackets or bats ([A63B 60/56](#) takes precedence)}

Definition statement

This place covers:

Accessories for stowing, putting away or transporting exercise apparatus or sports equipment, specially adapted for games played with rackets or bats.

References

Limiting references

This place does not cover:

Devices for protection, storage or transport for golf clubs, bats, rackets or the like	A63B 60/56
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Devices for storing or displaying elongated objects such as fishing rods, guns etc.	A47B 81/005
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A63B 71/0054

{Features for injury prevention on an apparatus, e.g. shock absorbers (mats or the like for absorbing shocks for jumping [A63B 6/00](#))}

References**Limiting references**

This place does not cover:

Mats or the like for absorbing shocks for jumping	A63B 6/00
---	---------------------------

A63B 2071/0081

{Stopping the operation of the apparatus}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Means preventing unauthorised use, e.g. by lowering a tennis net	A63B 2225/72
--	------------------------------

A63B 2071/009

{Protective housings covering the working parts of the apparatus}

Definition statement

This place covers:

Protective housings covering the working parts of the apparatus.

A63B 71/02

for large-room or outdoor sporting games

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Design or layout of playing courts, rinks, bowling greens or areas for water-skiing	A63C 19/00
Pavings or foundations specially adapted for playgrounds or sports grounds; Drainage, irrigation or heating of sports grounds	E01C 13/00
Searchlights, i.e. outdoor lighting device producing powerful beam of parallel rays, e.g. for military or attraction purposes	F21S 8/003

A63B 71/021**{Stays or guy-ropes}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Stays or guy-ropes for masts	E04H 12/20
Stays or guy-ropes for tents	E04H 15/34

A63B 71/022**{Backstops, cages, enclosures or the like, e.g. for spectator protection, for arresting balls}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Targets or goals for ball games	A63B 63/00
Training appliances for cricket	A63B 69/0015
Ball rebound walls	A63B 69/0097
Fences; Nets; Barriers	A63C 2019/085
Removable protective covers for courts, rinks, or game pitches or the like	A63C 19/12
Fencing, e.g. fences, enclosures, corrals	E04H 17/00

A63B 71/023**{Supports, e.g. poles}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Posts for tennis or like games, e.g. volley-ball	A63B 61/02
Forming a target or goal by fixing net or target area to garage doorway or garage parts	A63B 2063/006
Fixation by suction cups	A63B 2225/055
Pavings or foundations specially adapted for playgrounds or sports grounds; Drainage, irrigation or heating of sports grounds	E01C 13/00

A63B 2071/026**{stabilised by weight}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Sockets filled with water, sand or the like	E04H 12/2246
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A63B 71/028**{Floor sockets for removable poles}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Sockets for poles in general	E04H 12/22
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A63B 71/04**for small-room or indoor sporting games****References****Limiting references***This place does not cover:*

Design or layout of playing courts, rinks, bowling greens or areas for water-skiing	A63C 19/00
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A63B 71/06**Indicating or scoring devices for games or players {, or for other sports activities}****Definition statement***This place covers:*

Scoring devices for sports activities

References**Informative references***Attention is drawn to the following places, which may be of interest for search:*

For fencing	A63B 69/02
Details of notification to user or patient for diagnostic purposes	A61B 5/74
For card games	A63F 1/18
For arrow or dart games	F41J 3/02

A63B 71/0605**{Decision makers and devices using detection means facilitating arbitration}****References****Limiting references***This place does not cover:*

Devices used in petanque for measuring distance or difference in distance	A63B 67/066
Line foul detectors for bowling	A63D 1/06
Decision makers for riding sports	A63K 3/00
Target indicating system, score detecting system for guns	F41J 5/00

A63B 71/0616**{Means for conducting or scheduling competition, league, tournaments or rankings}****References****Limiting references***This place does not cover:*

Competitions, virtual races	A63B 24/0084
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A63B 71/0619**{Displays, user interfaces and indicating devices, specially adapted for sport equipment, e.g. display mounted on treadmills}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

PDA	G06F 1/1626
Signal devices with lights	G08B 5/36

A63B 71/0622**{Visual, audio or audio-visual systems for entertaining, instructing or motivating the user}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

MP3-player associated to further apparatuses	G11B 31/00
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A63B 2071/0625**{Emitting sound, noise or music}****References****Limiting references***This place does not cover:*

Rhythm indicators for respiratory exercises	A63B 23/185
Golf clubs for training with sound emitting source	A63B 69/3635

A63B 2071/0627**{when used improperly, e.g. by giving a warning}****References****Limiting references***This place does not cover:*

rhythm indicators	A63B 23/185
for respiratory exercises	A63B 23/185
in golf clubs for training	A63B 69/3635
Visual, audio or audio-visual systems for entertaining, instructing or motivating the user	A63B 71/0622

A63B 2071/0644**{with display speed of moving landscape controlled by the user's performance}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

The load of the exercise apparatus being controlled in synchronism with visualising systems, e.g. hill slope	A63B 2024/009
--	-------------------------------

A63B 2071/0655**{Tactile feedback}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Attachments of exercising apparatus to the upper limbs of the user	A63B 21/4017
Attachments of exercising apparatus to the hand of the user	A63B 21/4019
Attachments of exercising apparatus to the wrist of the user	A63B 21/4021

Means for physically limiting movements of body parts	A63B 69/0057
Means for physically limiting movements of body parts worn by the user	A63B 69/0059
Appliances for aiding patients or disabled persons to walk about with tactile perception	A61H 2003/063

A63B 2071/0661

{arranged on the user}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Head mounted display	G02B 27/017
Wearable computers	G06F 1/163
Transceiver s arranged on the body	H04B 1/385

A63B 2071/0663

{worn on the wrist, e.g. wrist bands}

References

Limiting references

This place does not cover:

Time pieces combined with an external data detector	G04G 21/02
for measuring physiological data	G04G 21/025

A63B 71/0669

{Score-keepers or score display devices}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Wrist worn watch type	G04G 9/0064
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A63B 71/0672**{using non-electronic means}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Computing aids in which the computing members form at least part of the displayed result and manipulated directly by hand, e.g. abacus, pocket adding device	G06C 1/00
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A63B 71/0686**{Timers, rhythm indicators or pacing apparatus using electric or electronic means}****References****Limiting references***This place does not cover:*

For respiratory exercises	A63B 23/185
Pedometers	G01C 22/006
Sport timing	G07C 1/22
Automatically producing a series of tones	G10H 1/26
Regulating music	G10H 1/40

Synonyms and Keywords

cadence = strokes, strides etc per second.

A63B 2071/0694**{Visual indication, e.g. Indicia}****Relationships with other classification places**

This code typically is used with multiple classifications, exemplified as follows.

The following image shows an example of a typical document for training a golf swing (thus, classified in [A63B 69/3623](#)) and which is further classified in [A63B 2071/0694](#) because of the alignment rods that give the golfer the visual indication of the actual target line.

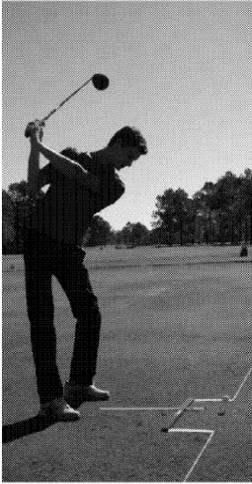


FIG. 5

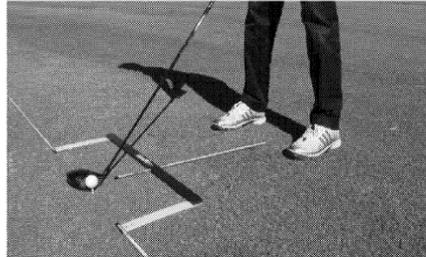
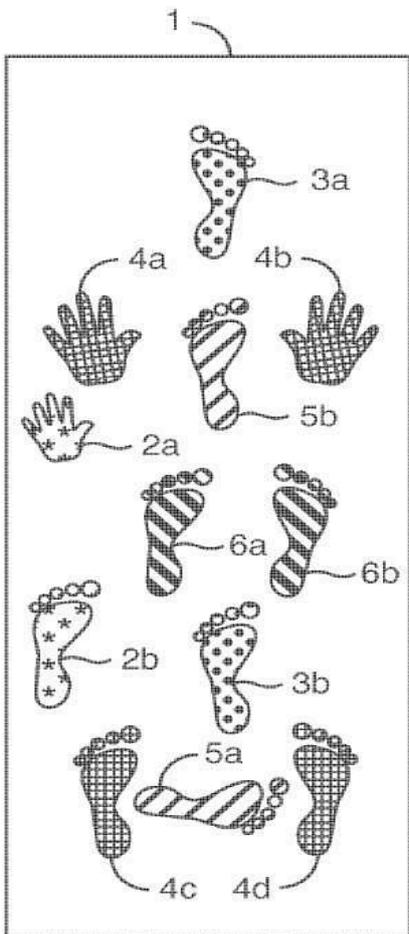


FIG. 6

The following image shows an example of use of [A63B 2071/0694](#) for classifying the pose markings of a mat for learning yoga.



Relationships with other classification places

The next image shows use of [A63B 2071/0694](#) for classifying the reference markings (95) on the crown of a golf club head.

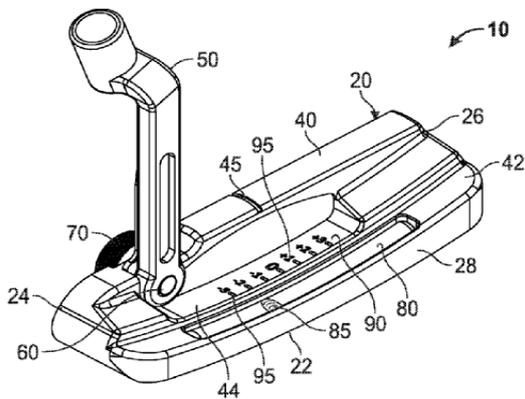


FIG. 1

References

References out of a residual place

Examples of places in relation to which this place is residual:

Golf club heads with visual indicators for aligning the golf club	A63B 53/0441
Golf tees with direction indicators	A63B 57/19
Attachments on the body, e.g. for measuring, aligning, restraining	A63B 69/3608
Visual means not attached to the body for positioning the trainee's head or for detecting head movement, e.g. by parallax (for driving)	A63B 69/3629
Drivers or attachments on drivers, e.g. for measuring, aligning	A63B 69/3632
Visual means not attached to the body for positioning the trainee's head or for detecting head movement, e.g. by parallax (for putting)	A63B 69/3682
Putters or attachments on putters e.g. for measuring, aligning	A63B 69/3685

Informative references

Attention is drawn to the following places, which may be of interest for search:

Advertising on sports articles, e.g. golf clubs	G09F 23/0066
---	------------------------------

A63B 71/08

Body-protectors for players or sportsmen {, i.e. body-protecting accessories affording protection of body parts against blows or collisions} (protective clothing or garments for sporting purposes [A41D 13/00](#))

References

Limiting references

This place does not cover:

Protective clothing or garments for sporting purposes	A41D 13/00
---	----------------------------

A63B 71/081**{fluid-filled, e.g. air-filled}****References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Inflatable	A63B 2225/62
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A63B 2071/083**{using bubble wrap}****Special rules of classification**Location of protection should be classified in [A63B 71/08](#).**A63B 71/085****{Mouth or teeth protectors ([A63B 71/081](#) takes precedence)}****References*****Limiting references****This place does not cover:*

Fluid-filled, e.g. air-filled body protectors	A63B 71/081
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Informative references*Attention is drawn to the following places, which may be of interest for search:*

Protective face masks	A41D 13/00
Lip or mouth protectors for dentistry	A61C 5/90

A63B 2071/086**{Mouth inserted protectors with breathing holes}****Definition statement***This place covers:*

Mouth inserted protectors with breathing holes.

Also for holes (i.e. airway opening) in the front portion of the mouthguard due to the manufacturing and/or customizing process.

A63B 2071/088**{Mouth inserted protectors with tether or strap}****Definition statement***This place covers:*

Mouth inserted protectors with tether or strap, e.g. to be fixed to a helmet.

A63B 71/10**for the head ({[A63B 71/081](#) takes precedence } ; in the form of caps or hats [A42B 1/08](#); helmets [A42B 3/00](#))****References****Limiting references***This place does not cover:*

Helmets for swimming or water polo	A63B 33/00
Fluid-filled, e.g. air-filled, body-protectors for players or sportsmen	A63B 71/081
Head protectors in the form of caps or hats	A42B 1/08
Helmets	A42B 3/00
Face guards for ice hockey	A42B 3/20
for the ears	A61F 11/06

Special rules of classificationFencing masks are also classified in [A63B 2071/105](#) and [A63B 69/02](#).**A63B 2071/105****{Fencing mask}****Definition statement***This place covers:*

Fencing mask, also for masks used in kendo.

Special rules of classificationThese documents should also be classified in [A63B 71/10](#) and [A63B 69/02](#).**A63B 71/12****for the body or the legs {, e.g. for the shoulders ([A63B 71/081](#) takes precedence)}****References****Limiting references***This place does not cover:*

Fluid-filled, e.g. air-filled, body-protectors for players or sportsmen	A63B 71/081
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Informative references

Attention is drawn to the following places, which may be of interest for search:

When the protector for sporting purposes is integrated in garment/apparel/clothing	A41D 13/00
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A63B 71/1216

{for the genital area}

References**Limiting references**

This place does not cover:

Crotch reinforcement	A41D 1/088
Suspensory bandages	A61F 5/40

A63B 71/1225

{for the legs, e.g. thighs, knees, ankles, feet}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Hosiery with pockets	A41B 11/006
Reinforcements for hosiery	A41B 11/02
Bandages, e.g. orthosis-like supports or braces	A61F 5/0102
Bandages or dressings for strengthening joints	A61F 13/06

A63B 2071/1258

{for the shin, e.g. shin guards}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Hosiery with pockets	A41B 11/006
Reinforcements for hosiery	A41B 11/02

A63B 71/1291

{for the neck}

References**Informative references***Attention is drawn to the following places, which may be of interest for search:*

Protectors for the neck as a part of a helmet	A42B
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A63B 71/14

for the hands, e.g. baseball, boxing or golfing gloves (archer's finger tabs
[F41B 5/1473](#))

References**Limiting references***This place does not cover:*

Archer's finger tabs	F41B 5/1473
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A63B 71/141

{in the form of gloves}

Definition statement*This place covers:*

Wrist guards and gloves for weight lifting.

References**Informative references***Attention is drawn to the following places, which may be of interest for search:*

Swimming gloves	A63B 31/02
With adhesive type surfaces, e.g. hook and loop-type fastener	A63B 2209/10
Hand protectors	A41D 13/081
Gloves in general	A41D 19/00
Brush bodies shaped as gloves or finger-stalls	A46B 5/04
Gloves for washing the body	A47K 7/02
Gloves for cleaning floors, carpets, furniture, walls, or wall coverings	A47L 13/18
Operating gloves	A61B 42/10
Gloves for glove-boxes	B25J 21/02

Special rules of classification

Attachments of exercising apparatus to the upper limbs of the user	A63B 21/4017
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Attachments of exercising apparatus to the hand of the user	A63B 21/4019
Attachments of exercising apparatus to the wrist of the user	A63B 21/4021
User-manipulated weights	A63B 21/06

A63B 71/143

{Baseball or hockey gloves}

Definition statement

This place covers:

also gloves for CRICKET batsmen, or LACROSSE.

A63B 71/148

{Gloves for bowling and other ball games}

Definition statement

This place covers:

also gloves for FOOTBALL (SOCCER) goal keepers.

References

Informative references

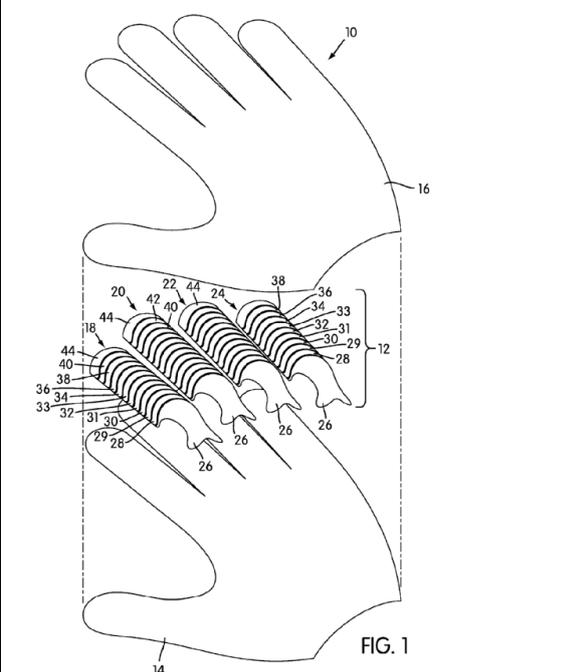
Attention is drawn to the following places, which may be of interest for search:

Football (i.e. soccer)	A63B 2243/0025
Hand protectors especially for fingers	A41D 13/087
Protective gloves with protection against crushing	A41D 19/01517
Protective gloves absorbing shocks or vibrations	A41D 19/01523
Protective gloves including rigid elements	A41D 19/01588

Special rules of classification

Multiple entry classification in different classes is often used, i.e. documents are classified in the applicable groups and/or subgroups of two different sub-classes: [A41D 19/00](#) (maybe also [A41D 13/08](#)) and [A63B 71/148](#).

For example:

<p style="font-size: small; margin: 0;">WO 2007/103985 1/17 PCT/US2007/063509</p> 	<p>This document (WO 2007/103985) is classified as follows (multiple entry classification in different classes): A41D 19/01588 ; A63B 71/148 ; A63B 2243/0025</p>
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A63B 2102/00

Application of clubs, bats, rackets or the like to the sporting activity {; particular sports involving the use of balls and clubs, bats, rackets, or the like}

Special rules of classification

This group and its corresponding subgroups only are used when the relevant sport/s is/are not unambiguously clear from any other of the symbols allocated.

A63B 2208/00

Characteristics or parameters related to the user or player (measuring physical characteristics of the user [A63B 2230/00](#))

References

Limiting references

This place does not cover:

Measuring physiological parameters in the context of training and sport	A63B 2230/00
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Measuring physiological parameters in the context of medical care	A61M 2230/00
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A63B 2208/0223**Squatting****Definition statement**

This place covers:

Sitting on the heels.

References**Limiting references**

This place does not cover:

Squat exercises	A63B 2023/0411
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A63B 2208/0238**with stretched legs, like on a bed****Definition statement**

This place covers:

Recumbent.

A63B 2208/0285**Hanging****Definition statement**

This place covers:

The person hanging upside-down or in an inverted position.

A63B 2208/029**upright****Definition statement**

This place covers:

i.e. in the normal body position for standing, with head at top and feet at bottom.

A63B 2208/0295**on hands and feet (for push-ups [A63B 23/1236](#))****References****Limiting references**

This place does not cover:

Push-up exercises	A63B 23/1236
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A63B 2209/10**with adhesive type surfaces, i.e. hook and loop-type fastener****Definition statement***This place covers:*

Any kind of adhesive surface in the sport equipment apparatus, e.g. low-tack pressure sensitive adhesives, not only for hook-and loop type of fastener.

A63B 2210/02**incorporated in chairs****References****Limiting references***This place does not cover:*

Chairs with exercising means	A47C 9/002
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A63B 2210/04**incorporated in beds, sofas****References****Limiting references***This place does not cover:*

Attached to beds e.g. hospital beds during revalidation	A63B 21/1672
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A63B 2210/50**Size reducing arrangements for stowing or transport****References****Limiting references***This place does not cover:*

Rackets with easily dismountable parts	A63B 49/035
Accessories for stowing	A63B 71/0036
Incorporated in furniture	A63B 2210/00
Inflatable	A63B 2225/62
Foldable camping beds	A47C 17/70
foldable beds	A47C 19/12
Size reducing arrangements for physical therapy	A61H 2201/0161

A63B 2210/54

Foldable elastic frame members automatically resuming their expanded state when released

References**Limiting references**

This place does not cover:

Flexible frames for tents	E04H 15/40
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A63B 2213/004

with electrotherapy

References**Limiting references**

This place does not cover:

Devices using electric currents for producing or ending sleep or stupor	A61M 2021/0072
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Electrotherapy	A61N 1/00
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A63B 2213/005

with respiratory gas delivering means, e.g. O₂

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Medical treatment rooms	A61G 10/00
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A63B 2213/006

under hypoxia conditions, i.e. oxygen supply subnormal

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Medical treatment rooms	A61G 10/00
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A63B 2220/00

Measuring of physical parameters relating to sporting activity

Definition statement

This place covers:

The purpose of the measurement should take precedence over the measuring method or device.

Relationships with other classification places

Measuring of sport goods [G01B 5/0023](#).

References

Limiting references

This place does not cover:

Measuring torque, work, mechanical power, or mechanical efficiency in general	G01L 3/00
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A63B 2220/10

Positions

Special rules of classification

Not used and not for distance or speed or acceleration determination.

A63B 2220/16

Angular positions

Definition statement

This place covers:

Also for indicating the direction of e.g. a flight path of a ball, the orientation of a player etc.

A63B 2220/17

Counting, e.g. counting periodical movements, revolutions or cycles, or including further data processing to determine distances or speed

References

Limiting references

This place does not cover:

Frequency	A63B 2220/64
Cycle computers	G01C 22/002

A63B 2220/34**Angular speed****References****Limiting references**

This place does not cover:

Cycle computers	G01C 22/002
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A63B 2220/40**Acceleration****Special rules of classification**

Not for force or torque measurement.

A63B 2220/50**Force related parameters****References****Limiting references**

This place does not cover:

Measuring torque, work, mechanical power, or mechanical efficiency in general	G01L 3/00
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Special rules of classification

This code not used; use subgroups.

A63B 2220/54**Torque****Definition statement**

This place covers:

Also for deformation, flexion, deflection, torsion.

Relationships with other classification places

Measuring torque, mechanical power or mechanical efficiency in general [G01L 3/00](#).

A63B 2220/56**Pressure****References****Limiting references**

This place does not cover:

Measuring pressure on grips	A63B 2060/464
Atmospheric pressure	A63B 2220/74

A63B 2220/58**Measurement of force related parameters by electric or magnetic means****Relationships with other classification places**

Measuring torque, Mechanical power or mechanical efficiency in general [G01L 3/00](#).

A63B 2220/62**Time or time measurement used for time reference, time stamp, master time or clock signal****Definition statement**

This place covers:

Used for time reference, time stamp, master time or clock signal.

References**Limiting references**

This place does not cover:

Reaction time	A63B 69/0053
Registering, indicating or recording the time of events or elapsed time in connection with sports or games	G07C 1/22

A63B 2220/64**Frequency, e.g. of vibration oscillation****References****Limiting references**

This place does not cover:

Resonance frequency related properties of bats or rackets	A63B 60/002
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A63B 2220/72

Temperature

References

Limiting references

This place does not cover:

Temperature of the user	A63B 2230/50
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A63B 2220/80

Special sensors, transducers or devices therefor

Definition statement

This place covers:

Only special sensors for, or specific aspects related to a sport implement.

A63B 2220/801

Contact switches

Definition statement

This place covers:

Examples: shock sensors, vibration detectors for detecting an event (where the magnitude of shock or vibration is not important).

References

Limiting references

This place does not cover:

Counting	A63B 2220/17
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A63B 2220/803

Motion sensors

Definition statement

This place covers:

Motion sensors in general where the motion parameter is not specifically indicated, i.e. any movement.

A63B 2220/833**Sensors arranged on the exercise apparatus or sports implement****References****Limiting references***This place does not cover:*

Cycle computers	G01C 22/002
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A63B 2225/00**Miscellaneous features of sport apparatus, devices or equipment****Definition statement***This place covers:*

Sports OR exercising equipment.

A63B 2225/01**Special aerodynamic features, e.g. airfoil shapes, wings or air passages****References****Limiting references***This place does not cover:*

Bats, rackets or the like having special surfaces reducing air resistance; details of the surface of the bats, rackets or the like, e.g. dimpled	A63B 60/006
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Informative references*Attention is drawn to the following places, which may be of interest for search:*

Bats with through holes	A63B 60/50
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A63B 2225/02**Testing, calibrating or measuring of equipment****References****Limiting references***This place does not cover:*

Measuring or verifying ball characteristics	A63B 47/008
Measuring or verifying club, bat or racket characteristics	A63B 60/42

A63B 2225/05**with suction cups****References****Limiting references***This place does not cover:*

Suction cups used as force resisting device	A63B 21/0089
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A63B 2225/08**with writing point****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Golf tees with writing means	A63B 57/18
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A63B 2225/093**Height****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Telescopic systems with locking in discrete positions	F16B 7/105
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A63B 2225/10**Multi-station exercising machines****Definition statement***This place covers:*

e.g. radially extending from a central linking element.

References**Limiting references***This place does not cover:*Compound apparatus for fitness training: [A63B 23/03558](#) takes precedence

A63B 2225/15

with identification means that can be read by electronic means

Definition statement

This place covers:

e.g. a smart card.

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Identification of a person	A61B 5/117
Record carriers for use with machines	G06K 19/00
Individual entry or exit registers	G07C 9/00
Cards for payment	G07F 7/00

A63B 2225/20

with means for remote communication, e.g. internet or the like

Definition statement

This place covers:

networking.

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

with wireless data transmission	A63B 2225/50
PDA	G06F 1/1626
digital computing special functions	G06F 17/00
advertising	G09F 23/00

A63B 2225/605

Floating

References**Limiting references**

This place does not cover:

Exercising apparatus comprising buoyant volumes to be submerged	A63B 21/0606
Inflatable apparatus	A63B 2225/62

A63B 2225/62**Inflatable****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Fluid filled, e.g. air-filled body protectors	A63B 71/081
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A63B 2225/72**Means preventing unauthorised use, e.g. by lowering a tennis net****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Stopping the operation of the apparatus	A63B 2071/0081
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A63B 2230/00**Measuring physiological parameters of the user****References****Limiting references***This place does not cover:*

Measuring correct grip size	A63B 2060/462
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Informative references*Attention is drawn to the following places, which may be of interest for search:*

Game controllers involving biosensors worn by the player, e.g. for measuring heart beat, limb activity	A63F 2300/1012
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A63B 2230/30**blood pressure ([A63B 2230/04](#) takes precedence)****References****Limiting references***This place does not cover:*

Heartbeat characteristics, e.g. E.G.C., blood pressure modulations	A63B 2230/04
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A63B 2230/50**temperature****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Measuring temperature	A63B 2220/72
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A63B 2230/75**calorie expenditure****Definition statement***This place covers:*

This code is used even where the calorie consumption is calculated from other measurements, rather than directly measured.

Also indicated as MET (Metabolic Equivalent of Task).

References**Informative references***Attention is drawn to the following places, which may be of interest for search:*

Computing aids in which the computing members form at least part of the displayed result and manipulated directly by hand, e.g. abacus, pocket adding device	G06C 1/00
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A63B 2243/00**Specific ball sports not provided for in [A63B 2102/00](#) - [A63B 2102/38](#)****Special rules of classification**

This group and its corresponding subgroups are only used when the relevant sport/s is/are not unambiguously clear from any other of the symbols allocated.

A63B 2243/0025**Football (American football [A63B 2243/007](#))****References****Limiting references***This place does not cover:*

American football	A63B 2243/007
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Special rules of classification

This class is intended for the game of soccer

A63B 2244/00**Sports without balls****Special rules of classification**

The corresponding subgroups of this subgroup are only used when the relevant sport/s is/are not unambiguously clear from any other of the symbols allocated.

A63B 2244/088**hurdling****Definition statement**

This place covers:

Running and jumping over an obstacle at speed.

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Hurdles or the like and athletic hurdles	A63K 3/04 , A63K 3/043
Road signs or traffic signals in the form of a three-dimensional body	E01F 9/654

A63B 2244/10**Combat sports****References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

Rugby, American football	A63B 2243/0066
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A63B 2244/102**Boxing****References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

Boxing rings	A63C 19/005
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A63B 2244/22**Dancing****Definition statement**

This place covers:

All types of dancing, including ballet.

A63B 2244/225**Pole dancing****Definition statement**

This place covers:

Rigid poles and also swaying rods.

References***Informative references***

Attention is drawn to the following places, which may be of interest for search:

Climbing poles	A63B 9/00
Supports for anchoring force resistors between horizontal surfaces, e.g. floor and ceiling	A63B 21/1681